M2M Devices

#08983

Net Price:
Call
Unit: pcs

Wireless router M2M, 1x 10/100 (LAN), LTE, 2xSIM (WOI-RMBX-Lx2IO)

The WOI-RMBX-Lx2IO is a small router made for wireless m2m applications. It is a compact device with all the standard interfaces powered by Telit embedded engine. Supporting UMTS/HSPA+/LTE it is dedicated for users seeking for easy and fast mobile Internet access. Internet connection is easily available and configurable via internet browser without any need of installing software or drivers for the device.

Network standard
GPRS: Yes
EDGE: Yes
UMTS: Yes
HSPA+: Yes
LTE: Yes
Band
Quad: Yes
GSM Modem
RS232: Yes
USB: Yes
Remote communication
RS232: Yes
RS485: Yes
LAN 10/100Mbps: Yes
WiFi: Optional
Operation
Inputs: Yes x4
Outputs: Yes x4
Analog inputs: Yes x2
Monitoring
I/O state: Yes/Yes
GPS location: Optional
Power supply ON: Yes
Temperature: Yes
External Memory
microSD card: Yes
Retrieving information from the interface and control
CAN: Optional
RS232: Yes
RS485: Yes
I2C: Yes

Industrial Switches

#07996

Net Price:
740,00 EUR
Unit: pcs

Managed switch, 8x 10/100 RJ-45 PoE+ + 2 slide-in SFP slots w/DDM / RJ-45, O/Open-Ring <10ms (ORing IPS-3082GC-24V)

IPS-3082GC-24V is managed redundant ring Ethernet switch with 8x10/100Base-T(X) ports with PoE (P.S.E.) function and 2xGigabit combo ports. With completely support of Ethernet redundancy protocol, O-Ring (recovery time < 10ms over 250 units of connection), Open-Ring and MSTP/RSTP/STP (IEEE 802.1s/w/D) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. IPS-3082GC-24V also supports Power over Ethernet, a system to transmit electrical power, along with data, to remote devices over standard twisted-pair cable in an Ethernet network. IPS-3082GC-24V supports wide range 24~36VDC power inputs and generates 48VDC P.S.E. power output per port. Each IPS-3082GC-24V switch has 8X10/100Base-T(X) P.S.E. (Power Sourcing Equipment) ports. P.S.E. is a device (switch or hub for instance) that will provide power in a PoE setup. IPS-3082GC-24V support new DDM (Digital Diagnostic Monitoring) function, which can monitor instantly the status of electronic voltage, current and temperature. All function of IPS-3082GC-24V can be managed centralized by a powerful windows utility - Open-Vision. In addition, the wide operating temperature range from -40 to 70oC can satisfy most of operating environment. Therefore, the switch is one of the most reliable choice for highly-managed and Fiber Ethernet application with PoE function.

Physical Ports
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX w/PoE (PSE): 8
1000 COMBO with SFP: 2
RS-232 Serial Console Port: RS-232 in RJ45 connector with console cable (9600bps 8 N 1)
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3x for Flow control, IEEE 802.1D for STP (Spanning Tree Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1X for Authentication, IEEE 802.3ad for LACP (Link Aggregation Control Protocol), IEEE 802.1AB for LLDP (Link Layer Discovery Protocol), IEEE 802.3at PoE+ specification (up to 15.4 Watts per port for P.S.E)

#08849

Net Price:
581,00 EUR
Unit: pcs

Managed switch, 8x 10/100 RJ-45 PoE+ + 2 slide-in SFP slots w/DDM / RJ-45, O/Open-Ring <10ms (ORing IPS-3082GC-AT)

IPS-3082GC-AT is a managed Redundant Ring Ethernet switch with 8x10/100Base-T(X) ports with PoE (P.S.E.) function and 2xGigabit combo ports. With complete support of Ethernet redundancy protocols, O-Ring (recovery time < 10ms over 250 units of connection), Open-Ring and MSTP/RSTP/STP (IEEE 802.1s/w/D) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. IPS-3082GC also supports Power over Ethernet, a system to transmit electrical power, along with data, to remote devices over standard twisted-pair cable in an Ethernet network. Each IPS-3082GC switch has 8X10/100Base-T(X) P.S.E. (Power Sourcing Equipment) ports. P.S.E. is a device (switch or hub for instance) that will provide power in a PoE setup.
IPS-3082GC supports new a DDM (Digital Diagnostic Monitoring) function, which can monitor instantly the status of electronic voltage, current and temperature. All functions of IPS-3082GC can be managed centralizedly by a powerful windows utility - Open-Vision. In addition, the wide operating temperature, range from -40 to 70°C, can satisfy most of operating environment. Therefore, the switch is one of the most reliable choices for highly-managed and Fiber Ethernet application with PoE function.

Physical Ports
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX w/PoE (PSE): 8
1000 COMBO with SFP: 2
RS-232 Serial Console Port: RS-232 in RJ45 connector with console cable (9600bps 8 N 1)
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3x for Flow control, IEEE 802.1D for STP (Spanning Tree Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1X for Authentication, IEEE 802.3ad for LACP (Link Aggregation Control Protocol), IEEE 802.1AB for LLDP (Link Layer Discovery Protocol), IEEE 802.3at PoE+ specification (up to 30 Watts per port for P.S.E)

#07671

Net Price:
152,00 EUR
Unit: pcs

Managed industrial switch, 8x 100/1000 RJ-45 PoE, 2x 1000 SFP (Wave Industrial WO-IS-M2GF8GT-8POE-M)

Physical Ports
100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 8 w/PoE
1000Base-FX SFP ports: 2
Technology
Ethernet Standards: IEEE 802.3u for 100Base-TX and 100Base-FX, IEEE 802.3ab for 1000Base-T, IEEE 802.3z for 1000Base-X
LED Indicators: power, RJ45 ports, SFP slots, PoE (8)
Power: Dual DC inputs. 48÷57VDC on 4-pin terminal block
Power consumption (typical): 12W
PoE standards: 802.3at, 802.3af
PoE budget: 200W

Physical Characteristic
Enclosure: IP-40
Dimension (W x H x D): 48mm x 142mm x 116mm

#07656

Net Price:
1 030,00 EUR
Unit: pcs

Managed switch, 8x 10/1000 RJ-45 PoE + 4 slide-in SFP slots, O/Open-Ring <20ms (ORing IGPS-9084GP)

IGPS-9084GP is managed redundant ring PoE Ethernet switch with 8x10/100/1000Base-T(X) P.S.E. ports and 4x100/1000Base-X SFP ports. The switch support Ethernet Redundancy protocol, O-Ring (recovery time < 30ms over 250 units of connection) and MSTP (RSTP/STP compatible) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. IGPS-9084GP also support Power over Ethernet, a system to transmit electrical power up to 30 watts, along with data, to remote devices over standard twisted-pair cable in an Ethernet network. Each IGPS-9084GP switch has 8x10/100/1000Base-T(X) P.S.E. (Power Sourcing Equipment) ports. P.S.E. is a device (switch or hub for instance) that will provide power in a PoE connection. And support wide operating temperature from -40 oC to 70 oC. IGPS-9084GP can also be managed centralized and convenient by Open-Vision, Except the Web-based interface, Telnet and console (CLI) configuration. Therefore, the switch is one of the most reliable choice for highly-managed and Fiber Ethernet application.

Physical Ports
10/100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX (with PoE): 8
100/1000 SFP: 4
RS-232 Serial Console Port: RS-232 in RJ45 connector with console cable (115200bps 8 N 1)
Technology
Ethernet Standards: IEEE 802.3 for 10Base-T, IEEE 802.3u for 100Base-TX and 100Base-FX, IEEE 802.3ab for 1000Base-T, IEEE 802.z for 1000Base-X, IEEE 802.3x for Flow control, IEEE 802.3ad for LACP (Link Aggregation Control Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1s for MSTP (Multiple Spanning Tree Protocol), IEEE 802.1x for Authentication, IEEE 802.1AB for LLDP (Link Layer Discovery Protocol), IEEE 802.3at PoE specification (up to 30 Watts per port for P.S.E.), IEEE 1588-2002

#07997

Net Price:
740,00 EUR
Unit: pcs

Managed switch, 8x 10/1000 RJ-45 PoE + 4 slide-in SFP slots, O/Open-Ring <20ms (ORing IGPS-9084GP-LA-24V)

IGPS-9084GP-LA-24V is a managed redundant ring PoE Ethernet switch with 4x10/100/1000Base-T(X) IEEE 802.3at P.S.E. ports and 2x100/1000Base-X SFP ports.
The switch support Ethernet Redundancy protocol, O-Ring (recovery time < 30ms over 250 units of connection) and MSTP (RSTP/STP compatible) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology.
IGPS-9042GP-24V also support Power over Ethernet, a system to transmit electrical power up to 30 watts, along with data, to remote devices over standard twisted-pair cable in an Ethernet network.
Each IGPS-9042GP-24V switch has 4x10/100/1000Base-T(X) P.S.E. (Power Sourcing Equipment) ports. P.S.E. is a device (switch or hub for instance) that will provide power in a PoE connection and support wide operating temperature from -40°C to 75°C.
IGPS-9042GP-24V can also be managed centralized and convenient by Open-Vision, Except the Web-based interface, Telnet and console (CLI) configuration.
Therefore, the switch is one of the most reliable choice for highly-managed PoE and Fiber Ethernet application.

Physical Ports
10/100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX (with PoE): 8
100/1000 SFP: 4
RS-232 Serial Console Port: RS-232 in RJ45 connector with console cable (115200bps 8 N 1)
Technology
Ethernet Standards: IEEE 802.3 for 10Base-T, IEEE 802.3u for 100Base-TX and 100Base-FX, IEEE 802.3ab for 1000Base-T, IEEE 802.z for 1000Base-X, IEEE 802.3x for Flow control, IEEE 802.3ad for LACP (Link Aggregation Control Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1s for MSTP (Multiple Spanning Tree Protocol), IEEE 802.1x for Authentication, IEEE 802.1AB for LLDP (Link Layer Discovery Protocol), IEEE 802.3at PoE specification (up to 30 Watts per port for P.S.E.)

#06520

Net Price:
600,00 EUR
Unit: pcs

Managed switch, 8x 10/1000 RJ-45 PoE + 4 slide-in SFP slots, O/Open-Ring <20ms, slim housing (ORing IGPS-9084GP-LA)

IGPS-9084GP-LA is layer2 managed PoE Ethernet switch with 8x10/100/1000Base-T(X) P.S.E. ports and 4x100/1000Base-X SFP ports.
The switch support Ethernet Redundancy protocol, O-Ring (recovery time < 20ms over 250 units of connection) and MSTP (RSTP/STP compatible) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology.
IGPS-9084GP-LA also support Power over Ethernet, a system to transmit electrical power up to 30 watts, total PoE power budget is 240W max, along with data, to remote devices over standard twisted-pair cable in an Ethernet network.
IGPS-9084GP-LA switch has 8x10/100/1000Base-T(X) P.S.E. (Power Sourcing Equipment) ports. P.S.E. is a device (switch or hub for instance) that will provide power in a PoE connection and support wide operating temperature from -40 °C to 75 °C.
IGPS-9084GP-LA can also be managed centralized and convenient by Open-Vision, Except the Web-based interface, Telnet and console (CLI) configuration.

Physical Ports
10/100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX (with PoE): 8
100/1000 SFP: 4
RS-232 Serial Console Port: RS-232 in RJ45 connector with console cable (115200bps 8 N 1)
Technology
Ethernet Standards: IEEE 802.3 for 10Base-T, IEEE 802.3u for 100Base-TX and 100Base-FX, IEEE 802.3ab for 1000Base-T, IEEE 802.z for 1000Base-X, IEEE 802.3x for Flow control, IEEE 802.3ad for LACP (Link Aggregation Control Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1D for STP (Spanning Tree Protocol), IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1s for MSTP (Multiple Spanning Tree Protocol), IEEE 802.1x for Authentication, IEEE 802.1AB for LLDP (Link Layer Discovery Protocol), IEEE 802.3at PoE specification (up to 30 Watts per port for P.S.E.)

#07640

Net Price:
744,00 EUR
Unit: pcs

Managed switch, 8x 10/1000 RJ-45 PoE + 4 slide-in SFP slots, O/Open-Ring <30ms (ORing RGPS-9084GP-P-EU)

RGPS-9084GP-P is managed redundant ring PoE Ethernet switch with 8x10/100/1000Base-T(X) P.S.E. ports and 4x100/1000Base-X SFP ports. With completely support of Ethernet Redundancy protocol, O-Ring (recovery time < 30ms over 250 units of connection) ,Open-Ring ,O-Chain,Fast Recovery,MRP and MSTP (RSTP/STP compatible) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology.

RGPS-9084GP-P also support Power over Ethernet, a system to transmit electrical power up to 30 watts (-40 ~ 60°C provided total 240watts max., and 60 to 75°C provided total 120watts max.), along with data, to remote devices over standard twisted-pair cable in an Ethernet network. Each RGPS-9084GP-P switch has 8x10/100/1000Base-T(X) P.S.E. (Power Sourcing Equipment) ports. P.S.E. is a device (switch or hub for instance) that will provide power in a PoE connection. And support wide operating temperature from -40 °C to 75 °C. RGPS-9084GP-P can also be managed centralized and convenient by Open-Vision, Except the Web-based interface, Telnet and console (CLI) configuration. Therefore, the switch is one of the most reliable choices and highly-managed Ethernet application.

Physical Ports
10/100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX (with PoE): 8 (-40 ~ 60oC : provided total 240watts maximum, 60 ~ 75oC : provided total 120watts maximum)
1000 SFP: 4
RS-232 Serial Console Port: RS-232 in RJ45 connector with console cable (115200bps 8 N 1) (support backup unit DBU-01)
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) and 100Base-FX, IEEE 802.3x for Flow control, IEEE 802.1D for STP (Spanning Tree Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1X for Authentication, IEEE 802.3ad for LACP (Link Aggregation Control Protocol)

#07976

Net Price:
1 110,00 EUR
Unit: pcs

Managed switch, 8x 10/1000 RJ-45 PoE + 4x 10/1000 RJ-45 + 2 slide-in SFP slots, O/Open-Ring <20ms (ORing IGPS-9842GTP)

ORing's managed Ethernet switches are designed for industrial applications, such as rolling stock, vehicle, and railway applications. IGPS-9842GTP is managed redundant ring PoE Ethernet switch with 8x10/100/1000Base-T(X) P.S.E. ports and 4x10/100/1000Base-T(X) copper ports and 2x100/1000Base-X SFP ports which is compliant with EN50155 request. With completely support of Ethernet Redundancy protocol, O-Ring (recovery time < 30ms over 250 units of connection) ,Open-Ring ,O-Chain,MRP and MSTP (RSTP/STP compatible) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. IGPS-9842GTP also support Power over Ethernet, a system to transmit electrical power up to 30 watts (total 120watts max.), along with data, to remote devices over standard twisted-pair cable in an Ethernet network. Each IGPS-9842GTP switch has 8x10/100/1000Base-T(X) P.S.E. (Power Sourcing Equipment) ports. P.S.E. is a device (switch or hub for instance) that will provide power in a PoE connection. And support wide operating temperature from -40 oC to 70 oC. IGPS-9842GTP can also be managed centralized and convenient by Open-Vision, Except the Web-based interface, Telnet and console (CLI) configuration. Therefore, the switch is one of the most reliable choices for rolling stock and highly-managed Ethernet application.

Physical Ports
10/100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX (with PoE): 8
10/100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 4
100/1000 SFP: 2
RS-232 Serial Console Port: RS-232 in RJ45 connector with console cable (115200bps 8 N 1)
Technology
Ethernet Standards: IEEE 802.3 for 10Base-T, IEEE 802.3u for 100Base-TX and 100Base-FX, IEEE 802.3ab for 1000Base-T, IEEE 802.z for 1000Base-X, IEEE 802.3x for Flow control, IEEE 802.3ad for LACP (Link Aggregation Control Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1s for MSTP (Multiple Spanning Tree Protocol), IEEE 802.1x for Authentication, IEEE 802.1AB for LLDP (Link Layer Discovery Protocol), IEEE 802.3at PoE specification (up to 30 Watts per port for P.S.E.)

#07977

Net Price:
1 250,00 EUR
Unit: pcs

Managed switch, 8x 10/1000 RJ-45 PoE + 4x 10/1000 RJ-45 + 2 slide-in SFP slots, O/Open-Ring <20ms (ORing IGPS-9842GTP-24V)

ORing's managed Ethernet switches are designed for industrial applications, such as rolling stock, vehicle, and railway applications. IGPS-9842GTP is managed redundant ring PoE Ethernet switch with 8x10/100/1000Base-T(X) P.S.E. ports and 4x10/100/1000Base-T(X) copper ports and 2x100/1000Base-X SFP ports which is compliant with EN50155 request. With completely support of Ethernet Redundancy protocol, O-Ring (recovery time < 30ms over 250 units of connection) ,Open-Ring ,O-Chain,MRP and MSTP (RSTP/STP compatible) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. IGPS-9842GTP also support Power over Ethernet, a system to transmit electrical power up to 30 watts (total 120watts max.), along with data, to remote devices over standard twisted-pair cable in an Ethernet network. Each IGPS-9842GTP switch has 8x10/100/1000Base-T(X) P.S.E. (Power Sourcing Equipment) ports. P.S.E. is a device (switch or hub for instance) that will provide power in a PoE connection. And support wide operating temperature from -40 oC to 70 oC. IGPS-9842GTP can also be managed centralized and convenient by Open-Vision, Except the Web-based interface, Telnet and console (CLI) configuration. Therefore, the switch is one of the most reliable choices for rolling stock and highly-managed Ethernet application.

Physical Ports
10/100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX (with PoE): 8
10/100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 4
100/1000 SFP: 2
RS-232 Serial Console Port: RS-232 in RJ45 connector with console cable (115200bps 8 N 1)
Technology
Ethernet Standards: IEEE 802.3 for 10Base-T, IEEE 802.3u for 100Base-TX and 100Base-FX, IEEE 802.3ab for 1000Base-T, IEEE 802.z for 1000Base-X, IEEE 802.3x for Flow control, IEEE 802.3ad for LACP (Link Aggregation Control Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1s for MSTP (Multiple Spanning Tree Protocol), IEEE 802.1x for Authentication, IEEE 802.1AB for LLDP (Link Layer Discovery Protocol), IEEE 802.3at PoE specification (up to 30 Watts per port for P.S.E.)

#07980

Net Price:
1 590,00 EUR
Unit: pcs

Managed switch, 22x 10/1000 RJ-45 PoE + 2x 10/100/1000 COMBO Ports with SFP + 2 slide-in SFP slots, O/Open-Ring <30ms, 19" (ORing RGPS-92222GCP-NP-LP)

RGPS-92222GCP-NP series are Gigabit managed redundant ring PoE Ethernet switch with 22x10/100/1000Base-T(X) IEEE802.3at P.S.E. ports and 2xGigabit combo IEEE802.3at P.S.E. ports and 2x100/1000Base-X SFP ports. These switches support Ethernet Redundancy protocol, O-Ring (recovery time < 30ms over 250 units of connection) and MSTP (RSTP/STP compatible) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. RGPS-92222GCP-NP series also support Power over Ethernet, a system to transmit electrical power up to 30 watts, along with data, to remote devices over standard twisted-pair cable in an Ethernet network. Each RGPS-92222GCP-NP switch has (22+2)x10/100/1000Base-T(X) P.S.E. (Power Sourcing Equipment) ports. P.S.E. is a device (switch or hub for instance) that will provide power in a PoE connection. And RGPS-92222GCP-NP / -P models support wide operating temperature from -40 oC to 70 oC. RGPS-92222GCP-NP series can also be managed centralized and convenient by Open-Vision, Except the Web-based interface, Telnet and console (CLI) configuration. Therefore, the switch is one of the most reliable choice for highly-managed and Fiber PoE Ethernet application.

Physical Ports
10/100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX (with PoE): 22
Gigabit Combo port with 10/100/1000Base-T(X) P.S.E. and 100/1000Base-X SFP ports: 2
100/1000 SFP: 4
RS-232 Serial Console Port: RS-232 in DB9 connector with console cable (115200bps, 8, N, 1)
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3x for Flow control, IEEE 802.1D for STP (Spanning Tree Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1X for Authentication, IEEE 802.3ad for LACP (Link Aggregation Control Protocol), IEEE 802.3at PoE specification (up to 30 Watts per port for P.S.E.)

#07981

Net Price:
1 850,00 EUR
Unit: pcs

Managed switch, 22x 10/1000 RJ-45 PoE + 2x 10/100/1000 COMBO Ports with SFP + 2 slide-in SFP slots, O/Open-Ring <30ms, 19" (ORing RGPS-92222GCP-NP-P)

RGPS-92222GCP-NP series are Gigabit managed redundant ring PoE Ethernet switch with 22x10/100/1000Base-T(X) IEEE802.3at P.S.E. ports and 2xGigabit combo IEEE802.3at P.S.E. ports and 2x100/1000Base-X SFP ports. These switches support Ethernet Redundancy protocol, O-Ring (recovery time < 30ms over 250 units of connection) and MSTP (RSTP/STP compatible) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. RGPS-92222GCP-NP series also support Power over Ethernet, a system to transmit electrical power up to 30 watts, along with data, to remote devices over standard twisted-pair cable in an Ethernet network. Each RGPS-92222GCP-NP switch has (22+2)x10/100/1000Base-T(X) P.S.E. (Power Sourcing Equipment) ports. P.S.E. is a device (switch or hub for instance) that will provide power in a PoE connection. And RGPS-92222GCP-NP / -P models support wide operating temperature from -40 oC to 70 oC. RGPS-92222GCP-NP series can also be managed centralized and convenient by Open-Vision, Except the Web-based interface, Telnet and console (CLI) configuration. Therefore, the switch is one of the most reliable choice for highly-managed and Fiber PoE Ethernet application.

Physical Ports
10/100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX (with PoE): 22
Gigabit Combo port with 10/100/1000Base-T(X) P.S.E. and 100/1000Base-X SFP ports: 2
100/1000 SFP: 4
RS-232 Serial Console Port: RS-232 in DB9 connector with console cable (115200bps, 8, N, 1)
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3x for Flow control, IEEE 802.1D for STP (Spanning Tree Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1X for Authentication, IEEE 802.3ad for LACP (Link Aggregation Control Protocol), IEEE 802.3at PoE specification (up to 30 Watts per port for P.S.E.)

#07986

Net Price:
2 490,00 EUR
Unit: pcs

Managed switch, 24x 10/1000 RJ-45 PoE + 4 1G/10G SFP+ slots, O/Open-Ring <30ms, L3 (ORing RGPS-R9244GP+-LP)

RGPS-R9244GP+-P is Layer-3 Gigabit managed redundant ring PoE Ethernet switch with 24x10/100/1000Base-T(X) IEEE802.3at P.S.E. ports and 4x1G/10GBase-X SFP+ ports. The switch support Ethernet Redundancy protocol, O-Ring (recovery time < 30ms over 250 units of connection) and MSTP (RSTP/STP compatible) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. RGPS-R9244GP+-P also support Power over Ethernet, a system to transmit electrical power up to 30 watts, along with data, to remote devices over standard twisted-pair cable in an Ethernet network. Each RGPS-R9244GP+-P switch had 24x10/100/1000Base-T(X) P.S.E. (Power Sourcing Equipment) ports. P.S.E. is a device (switch or hub for instance) that will provide power in a PoE connection. And RGPS-R9244GP+-P support wide operating temperature from -40 oC to 60 oC. RGPS-R9244GP+-P can also be managed centralized and convenient by Open-Vision, Except the Web-based interface, Telnet and console (CLI) configuration. Therefore, the switch is one of the most reliable choice for highly-managed and Fiber PoE Ethernet application.

Physical Ports
10/100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX (with PoE): 24
1G/10GBase-X with SFP+ port: 4
RS-232 Serial Console Port: RS-232 in DB9 connector with console cable (115200bps, 8, N, 1)
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3x for Flow control, IEEE 802.3ae for 10Gigabit Ethernet, IEEE 802.1D for STP (Spanning Tree Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1X for Authentication, IEEE 802.3ad for LACP (Link Aggregation Control Protocol), IEEE 802.3at PoE specification (up to 30 Watts per port for P.S.E.)

#07985

Net Price:
2 790,00 EUR
Unit: pcs

Managed switch, 24x 10/1000 RJ-45 PoE + 4 1G/10G SFP+ slots, O/Open-Ring <30ms, L3 (ORing RGPS-R9244GP+-P)

RGPS-R9244GP+-P is Layer-3 Gigabit managed redundant ring PoE Ethernet switch with 24x10/100/1000Base-T(X) IEEE802.3at P.S.E. ports and 4x1G/10GBase-X SFP+ ports. The switch support Ethernet Redundancy protocol, O-Ring (recovery time < 30ms over 250 units of connection) and MSTP (RSTP/STP compatible) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. RGPS-R9244GP+-P also support Power over Ethernet, a system to transmit electrical power up to 30 watts, along with data, to remote devices over standard twisted-pair cable in an Ethernet network. Each RGPS-R9244GP+-P switch had 24x10/100/1000Base-T(X) P.S.E. (Power Sourcing Equipment) ports. P.S.E. is a device (switch or hub for instance) that will provide power in a PoE connection. And RGPS-R9244GP+-P support wide operating temperature from -40 oC to 60 oC. RGPS-R9244GP+-P can also be managed centralized and convenient by Open-Vision, Except the Web-based interface, Telnet and console (CLI) configuration. Therefore, the switch is one of the most reliable choice for highly-managed and Fiber PoE Ethernet application.

Physical Ports
10/100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX (with PoE): 24
1G/10GBase-X with SFP+ port: 4
RS-232 Serial Console Port: RS-232 in DB9 connector with console cable (115200bps, 8, N, 1)
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3x for Flow control, IEEE 802.3ae for 10Gigabit Ethernet, IEEE 802.1D for STP (Spanning Tree Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1X for Authentication, IEEE 802.3ad for LACP (Link Aggregation Control Protocol), IEEE 802.3at PoE specification (up to 30 Watts per port for P.S.E.)

#07920

Net Price:
1 250,00 EUR
Unit: pcs

Managed switch, L3, 8x 10/1000 RJ-45 PoE + 4 slide-in SFP slots, O/Open-Ring <20ms (ORing IGPS-R9084GP)

IGPS-R9084GP is Layer-3 managed redundant ring PoE Ethernet switch with 8x10/100/1000Base-T(X) P.S.E. ports and 4x100/1000Base-X SFP ports. The IGPS-R9084GP supports Layer-3 routing for better network performance on large-scale LANs into multiple subnets to support long-haul and EMI immunity communications. The hardware Layer-3 switch is optimized to transmit data as fast as Layer-2 switches. The switch support Ethernet Redundancy protocol, O-Ring (recovery time < 30ms over 250 units of connection) and MSTP (RSTP/STP compatible) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. IGPS-R9084GP also support Power over Ethernet, a system to transmit electrical power up to 30 watts, along with data, to remote devices over standard twisted-pair cable in an Ethernet network. Each IGPS-R9084GP switch has 8x10/100/1000Base-T(X) P.S.E. (Power Sourcing Equipment) ports. P.S.E. is a device (switch or hub for instance) that will provide power in a PoE connection and support wide operating temperature from -40°C to 75°C. IGPS-R9084GP can also be managed centralized and convenient by Open-Vision, Except the Web-based interface, Telnet and console (CLI) configuration. Therefore, the switch is one of the most reliable choice for highly-managed and Fiber Ethernet application.

Physical Ports
10/100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX (with PoE): 8
100/1000 SFP: 4
RS-232 Serial Console Port: RS-232 in RJ45 connector with console cable (115200bps 8 N 1)
Technology
Ethernet Standards: IEEE 802.3 for 10Base-T, IEEE 802.3u for 100Base-TX and 100Base-FX, IEEE 802.3ab for 1000Base-T, IEEE 802.z for 1000Base-X, IEEE 802.3x for Flow control, IEEE 802.3ad for LACP (Link Aggregation Control Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1s for MSTP (Multiple Spanning Tree Protocol), IEEE 802.1x for Authentication, IEEE 802.1AB for LLDP (Link Layer Discovery Protocol), IEEE 802.3at PoE specification (up to 30 Watts per port for P.S.E.)

#06589

Net Price:
402,00 EUR
Unit: pcs

Smart switch, 4x 10/100 RJ-45 PoE + 2x 10/100 RJ-45, O-Ring <10ms (ORing IPS-2042TX)

IPS-2042TX/2042FX are lite-managed Redundant Ring Ethernet switches with 4x10/100TX ports with PoE PSE function and 2x10/100TX or 2x100Base-FX ports. IPS series support Power over Ethernet, a system to transmit electrical power, along with data, to remote devices over standard twisted-pair cable in an Ethernet network. Each IPS switch has 4X10/100TX PSE (Power Sourcing Equipment) ports. PSE is a device (switch or hub for instance) that will provide power in a PoE setup. With completely support of Ethernet Redundancy protocol, O-Ring (recovery time < 10ms over 250 units of connection) and RSTP/STP (IEEE 802.1w/D) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. IPS-2042TX / 2042FX can be managed centralized and convenient by a powerful windows utility, Open-Vision. The wide operating temperature range from -40 to 70°C can satisfy most of operating environment. Therefore, the switch is one of the most reliable choice for easy managed and Fiber Ethernet application.

Physical Ports
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX w/PoE (PSE): 4
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 2
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3x for Flow control, IEEE 802.1D for STP (Spanning Tree Protocol), IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1AB dla LLDP (Link Layer Discovery Protocol), IEEE 802.3af PoE specification (up to 25 Watts per port for PSE)
MAC Table: 2048 MAC addresses
Priority Queues: 4

#06590

Net Price:
516,00 EUR
Unit: pcs

Smart switch, 4x 10/100 RJ-45 PoE + 2x 100 MM SC, O-Ring <10ms (ORing IPS-2042FX-MM-SC)

IPS-2042TX/2042FX are lite-managed Redundant Ring Ethernet switches with 4x10/100TX ports with PoE PSE function and 2x10/100TX or 2x100Base-FX ports. IPS series support Power over Ethernet, a system to transmit electrical power, along with data, to remote devices over standard twisted-pair cable in an Ethernet network. Each IPS switch has 4X10/100TX PSE (Power Sourcing Equipment) ports. PSE is a device (switch or hub for instance) that will provide power in a PoE setup. With completely support of Ethernet Redundancy protocol, O-Ring (recovery time < 10ms over 250 units of connection) and RSTP/STP (IEEE 802.1w/D) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. IPS-2042TX / 2042FX can be managed centralized and convenient by a powerful windows utility, Open-Vision. The wide operating temperature range from -40 to 70°C can satisfy most of operating environment. Therefore, the switch is one of the most reliable choice for easy managed and Fiber Ethernet application.

Physical Ports
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX w/PoE (PSE): 4
100Base-FX Multimode ports (2km, 1310nm, SC connector): 2
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) and 100BaseFX, IEEE 802.3x for Flow control, IEEE 802.1D for STP (Spanning Tree Protocol), IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1AB dla LLDP (Link Layer Discovery Protocol), IEEE 802.3af PoE specification (up to 25 Watts per port for PSE)
MAC Table: 2048 MAC addresses

#07646

Net Price:
433,00 EUR
Unit: pcs

Smart switch, 4x 10/100 RJ-45 PoE + 2x 100 SFP, O-Ring <10ms (ORing IPS-2042P)

IPS-2042TX/2042FX are lite-managed Redundant Ring Ethernet switches with 4x10/100TX ports with PoE PSE function and 2x100Base-FX SFP ports. IPS series support Power over Ethernet, a system to transmit electrical power, along with data, to remote devices over standard twisted-pair cable in an Ethernet network. Each IPS switch has 4X10/100TX PSE (Power Sourcing Equipment) ports. PSE is a device (switch or hub for instance) that will provide power in a PoE setup. With completely support of Ethernet Redundancy protocol, O-Ring (recovery time < 10ms over 250 units of connection) and RSTP/STP (IEEE 802.1w/D) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. IPS-2042TX / 2042FX can be managed centralized and convenient by a powerful windows utility, Open-Vision. The wide operating temperature range from -40 to 70°C can satisfy most of operating environment. Therefore, the switch is one of the most reliable choice for easy managed and Fiber Ethernet application.

Physical Ports
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX w/PoE (PSE): 4
100 Base-FX SFP Ports: 2
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) and 100BaseFX, IEEE 802.3x for Flow control, IEEE 802.1D for STP (Spanning Tree Protocol), IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1AB dla LLDP (Link Layer Discovery Protocol), IEEE 802.3af PoE specification (up to 25 Watts per port for PSE)
MAC Table: 2048 MAC addresses
Priority Queues: 4
Processing: Store-and-Forward

#06592

Net Price:
565,00 EUR
Unit: pcs

Smart switch, 4x 10/100 RJ-45 PoE + 2x 100 SM SC, O-Ring <10ms (ORing IPS-2042FX-SS-SC)

IPS-2042TX/2042FX are lite-managed Redundant Ring Ethernet switches with 4x10/100TX ports with PoE PSE function and 2x10/100TX or 2x100Base-FX ports. IPS series support Power over Ethernet, a system to transmit electrical power, along with data, to remote devices over standard twisted-pair cable in an Ethernet network. Each IPS switch has 4X10/100TX PSE (Power Sourcing Equipment) ports. PSE is a device (switch or hub for instance) that will provide power in a PoE setup. With completely support of Ethernet Redundancy protocol, O-Ring (recovery time < 10ms over 250 units of connection) and RSTP/STP (IEEE 802.1w/D) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. IPS-2042TX / 2042FX can be managed centralized and convenient by a powerful windows utility, Open-Vision. The wide operating temperature range from -40 to 70°C can satisfy most of operating environment. Therefore, the switch is one of the most reliable choice for easy managed and Fiber Ethernet application.

Physical Ports
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX w/PoE (PSE): 4
100Base-FX Singlemode ports (30km, 1550nm, SC connector): 2
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) and 100BaseFX, IEEE 802.3x for Flow control, IEEE 802.1D for STP (Spanning Tree Protocol), IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1AB dla LLDP (Link Layer Discovery Protocol), IEEE 802.3af PoE specification (up to 25 Watts per port for PSE)
MAC Table: 2048 MAC addresses

NEW

#07674

Net Price:
109,00 EUR
Unit: pcs

Unmanaged industrial switch, 4x 100/1000 RJ-45 PoE, 1x 100/1000 RJ-45, 1x 1000 SFP (Wave Industrial WO-IS-M2GF4GT-4POE-M)

Physical Ports
100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 4 w/PoE
1000Base-FX SFP ports: 2
Technology
Ethernet Standards: IEEE 802.3u for 100Base-TX and 100Base-FX, IEEE 802.3ab for 1000Base-T, IEEE 802.3z for 1000Base-X
LED Indicators: power, RJ45 ports (5)
Power: Dual DC inputs. 48÷57VDC on 4-pin terminal block
Power consumption (typical): 6.5W

Physical Characteristic
Enclosure: IP-40
Dimension (W x H x D): 33mm x 115mm x 85mm
Weight: 350g

Environmental
Storage Temperature: -40÷85°C

#07990

Net Price:
351,00 EUR
Unit: pcs

Unmanaged switch, 4x 10/100 RJ-45 PoE + 2x 100 MM SC, slim housing (ORing IPS-1042-FA-MM-SC)

PS-1042FA series are unmanaged PoE Ethernet switches with 4 x 10/100Base-T(X) P.S.E. and 2x100Base-FX ports. IPS-1042FA series supports Power over Ethernet, a system to transmit electrical power, along with data, to remote devices over standard twisted-pair cable in an Ethernet network. IPS-1042FA series has 4X10/100Base-T(X) P.S.E. (Power Sourcing Equipment) ports. P.S.E. is a device (switch or hub for instance) that will provide power in a PoE setup. IPS-1042FA series support redundant power inputs, configurable relay output alarm and rigid IP-30 housing. In addition, the wide operating temperature range from -40 to 70oC can satisfy most of operating environment.

Physical Ports
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 4
100Base-SX Multimode ports (2km, 1310nm, SC connector): 2
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3x for Flow control, 802.3at PoE specyfication
MAC Table: 2048 MAC addresses
Processing: Store-and-Forward
LED Indicators
Power indicator: Green - Power LED x 2
Fault indicator: Amber - Indicate PWR1 or PWR2 failure
10/100TX RJ45 port Indicator: Green for port Link/Act., Green for PoE power injected

#07992

Net Price:
409,00 EUR
Unit: pcs

Unmanaged switch, 4x 10/100 RJ-45 PoE + 2x 100 MM SC, slim housing (ORing IPS-1042-FX-MM-SC-24V)

IPS-1042FX-24V series are unmanaged PoE Ethernet switches with 4 x 10/100Base-T(X) P.S.E. and 2x100Base-FX ports. IPS-1042FX-24V series supports Power over Ethernet, a system to transmit electrical power, along with data, to remote devices over standard twisted-pair cable in an Ethernet network. IPS-1042FX-24V series has 4X10/100Base-T(X) P.S.E. (Power Sourcing Equipment) ports. P.S.E. is a device (switch or hub for instance) that will provide power in a PoE setup. IPS-1042FX-24V series support redundant power inputs, configurable relay output alarm and rigid IP-30 housing. In addition, the wide operating temperature range from -40 to 70oC can satisfy most of operating environment.

Physical Ports
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 4
100Base-SX Multimode ports (2km, 1310nm, SC connector): 2
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3x for Flow control, 802.3at PoE specyfication
MAC Table: 2048 MAC addresses
Processing: Store-and-Forward
LED Indicators
Power indicator: Green - Power LED x 2
Fault indicator: Amber - Indicate PWR1 or PWR2 failure
10/100TX RJ45 port Indicator: Green for port Link/Act., Green for PoE power injected

#07993

Net Price:
460,00 EUR
Unit: pcs

Unmanaged switch, 4x 10/100 RJ-45 PoE + 2x 100 SM SC (ORing IPS-1042-FX-SS-SC-24V)

IPS-1042FX-24V series are unmanaged PoE Ethernet switches with 4 x 10/100Base-T(X) P.S.E. and 2x100Base-FX ports. IPS-1042FX-24V series supports Power over Ethernet, a system to transmit electrical power, along with data, to remote devices over standard twisted-pair cable in an Ethernet network. IPS-1042FX-24V series has 4X10/100Base-T(X) P.S.E. (Power Sourcing Equipment) ports. P.S.E. is a device (switch or hub for instance) that will provide power in a PoE setup. IPS-1042FX-24V series support redundant power inputs, configurable relay output alarm and rigid IP-30 housing. In addition, the wide operating temperature range from -40 to 70oC can satisfy most of operating environment.

Physical Ports
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 4
100Base-SX Multimode ports (30km, 1310nm, SC connector): 2
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3x for Flow control, 802.3at PoE specyfication
MAC Table: 2048 MAC addresses
Processing: Store-and-Forward
LED Indicators
Power indicator: Green - Power LED x 2
Fault indicator: Amber - Indicate PWR1 or PWR2 failure
10/100TX RJ45 port Indicator: Green for port Link/Act., Green for PoE power injected

#07991

Net Price:
379,00 EUR
Unit: pcs

Unmanaged switch, 4x 10/100 RJ-45 PoE + 2x 100 SM SC, slim housing (ORing IPS-1042-FA-SS-SC)

PS-1042FA series are unmanaged PoE Ethernet switches with 4 x 10/100Base-T(X) P.S.E. and 2x100Base-FX ports. IPS-1042FA series supports Power over Ethernet, a system to transmit electrical power, along with data, to remote devices over standard twisted-pair cable in an Ethernet network. IPS-1042FA series has 4X10/100Base-T(X) P.S.E. (Power Sourcing Equipment) ports. P.S.E. is a device (switch or hub for instance) that will provide power in a PoE setup. IPS-1042FA series support redundant power inputs, configurable relay output alarm and rigid IP-30 housing. In addition, the wide operating temperature range from -40 to 70oC can satisfy most of operating environment.

Physical Ports
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 4
100Base-SX Multimode ports (30km, 1310nm, SC connector): 2
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3x for Flow control, 802.3at PoE specyfication
MAC Table: 2048 MAC addresses
Processing: Store-and-Forward
LED Indicators
Power indicator: Green - Power LED x 2
Fault indicator: Amber - Indicate PWR1 or PWR2 failure
10/100TX RJ45 port Indicator: Green for port Link/Act., Green for PoE power injected

#07670

Net Price:
79,10 EUR
Unit: pcs

Unmanaged industrial switch, 4x 100/1000 RJ-45 PoE, 1x 100/1000 RJ-45, 1x 1000 SFP (Wave Industrial WO-IS-M1GF5GT-4POE)

Physical Ports
100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 4 w/PoE + 1
1000Base-FX SFP ports: 1
Technology
Ethernet Standards: IEEE 802.3u for 100Base-TX and 100Base-FX, IEEE 802.3ab for 1000Base-T, IEEE 802.3z for 1000Base-X
LED Indicators: power, RJ45 ports (5)
Power: Dual DC inputs. 48÷57VDC on 4-pin terminal block
Power consumption (typical): 6.5W

Physical Characteristic
Enclosure: IP-40
Dimension (W x H x D): 33mm x 115mm x 85mm
Weight: 350g

Environmental
Storage Temperature: -40÷85°C

#07972

Net Price:
391,00 EUR
Unit: pcs

Unmanaged switch, 4x 10/1000 RJ-45 PoE + 2x 1000 SFP (ORing IGPS-1042GP-24V)

IGPS-1042GP-24V is an slim type unmanaged PoE Ethernet switch with P.S.E. function. IGPS-1042GP-24V supports Power over Ethernet, a system to transmit electrical power, along with data, to remote devices over standard twisted-pair cable in an Ethernet network. IGPS-1042GP-24V has 4x10/100/1000Base-T(X) P.S.E. (Power Sourcing Equipment) ports, and 2x100/1000Base-X SFP port. The SFP port optical network speed can be set by changing the settings of the DIP-Switch below. IGPS-1042GP-24V supports wide range 50~57VDC power inputs and generates 50VDC P.S.E. power output per port. P.S.E. is a device (switch or hub for instance) that will provide power in a PoE setup. The wide operating temperature range from -40oC to 70oC can satisfy most of operating environment. Therefore, the switch is one of the most reliable choices for PoE Ethernet application.

Physical Ports
10/100/1000 Base-T(X) Ports in RJ45 with P.S.E. Auto MDI/MDIX: 4
100/1000Base-X SFP Ports: 2
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) and 100BaseFX,, IEEE 802.3z for 1000Base-X, IEEE 802.3x for Flow control, IEEE 802.3at PoE specification (up to 30 Watts per port for P.S.E.)
MAC Table: 1024 MAC addresses
Processing: Store-and-Forward
LED Indicators
Power indicator: Green - Power LED x 2
Fault indicator: Amber - Indicate PWR1 or PWR2 failure

#07971

Net Price:
349,00 EUR
Unit: pcs

Unmanaged switch, 4x 10/1000 RJ-45 PoE + 2x 1000 SFP , slim housing (ORing IGPS-1042GPA)

IGPS-1042GPA is an slim type unmanaged PoE Ethernet switch with P.S.E. function. IGPS-1042GPA supports Power over Ethernet, a system to transmit electrical power, along with data, to remote devices over standard twisted-pair cable in an Ethernet network. IGPS-1042GPA has 4x10/100/1000Base-T(X) P.S.E. (Power Sourcing Equipment) ports, and 2x100/1000Base-X SFP port. The SFP port optical network speed can be set by changing the settings of the DIP-Switch below. IGPS-1042GPA supports wide range 50~57VDC power inputs and generates 50VDC P.S.E. power output per port. P.S.E. is a device (switch or hub for instance) that will provide power in a PoE setup. The wide operating temperature range from -40oC to 70oC can satisfy most of operating environment. Therefore, the switch is one of the most reliable choices for PoE Ethernet application.

Physical Ports
10/100/1000 Base-T(X) Ports in RJ45 with P.S.E. Auto MDI/MDIX: 4
100/1000Base-X SFP Ports: 2
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) and 100BaseFX,, IEEE 802.3z for 1000Base-X, IEEE 802.3x for Flow control, IEEE 802.3at PoE specification (up to 30 Watts per port for P.S.E.)
MAC Table: 1024 MAC addresses
Processing: Store-and-Forward
LED Indicators
Power indicator: Green - Power LED x 2
Fault indicator: Amber - Indicate PWR1 or PWR2 failure

#07645

Net Price:
323,00 EUR
Unit: pcs

Unmanaged switch, 4x 10/1000 RJ-45 PoE, 1x 10/1000 RJ-45, 1x 1000 SFP socket, slim housing (ORing IGPS-1411GTPA)

IGPS-1411GTPA is an unmanaged PoE Ethernet switch with P.S.E. function. IGPS-1411GTPA support Power over Ethernet, a system to transmit electrical power, along with data, to remote devices over standard twisted-pair cable in an Ethernet network. IGPS-1411GTPA has 4X10/100/1000Base-T(X) P.S.E. (Power Sourcing Equipment) ports. P.S.E. is a device (switch or hub for instance) that will provide power in a PoE setup. The wide operating temperature range from -40oC to 70oC can satisfy most of operating environment. Therefore, the switch is one of the most reliable choices for PoE Ethernet application.

Physical Ports
10/100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX with PoE (PSE): 4
10/100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 1
100/1000Base-X SFP port: 1
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3ab for 1000Base-T, IEEE 802.3x for Flow control, 802.3at PoE specyfication
MAC Table: 1024 MAC addresses
Processing: Store-and-Forward
LED Indicators
Power indicator: Green - Power LED x 2
Fault indicator: Amber - Indicate PWR1 or PWR2 failure

#08433

Net Price:
372,00 EUR
Unit: pcs

Unmanaged switch, 4x 10/1000 RJ-45 PoE, 1x 10/1000 RJ-45, 1x 1000 SFP socket, slim housing (ORing IGPS-1411GTP-24V)

IGPS-1411GTP-24V is an unmanaged PoE Ethernet switch with P.S.E. function. IGPS-1411GTP-24V supports Power over Ethernet, a system to transmit electrical power, along with data, to remote devices over standard twisted-pair cable in an Ethernet network. IGPS-1411GTP-24V has 4x10/100/1000Base-T(X) P.S.E. (Power Sourcing Equipment) ports, 1 additional Gigabit port, and 1x100/1000Base-X SFP port. The SFP port optical network speed can be set by changing the settings of the DIP-Switch below. IGPS-1411GTP-24V supports wide range 12~36VDC power inputs and generates 50VDC P.S.E. power output per port. P.S.E. is a device (switch or hub for instance) that will provide power in a PoE setup. The wide operating temperature range from -40oC to 60oC can satisfy most of operating environment. Therefore, the switch is one of the most reliable choices for PoE Ethernet application.

Physical Ports
10/100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX with PoE+ (P.S.E.): 4
10/100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 1
100/1000Base-X SFP port: 1
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3ab for 1000Base-T, IEEE 802.3x for Flow control, 802.3at PoE specyfication
MAC Table: 1024 MAC addresses
Processing: Store-and-Forward
LED Indicators
Power indicator: Green - Power LED x 2
Fault indicator: Amber - Indicate PWR1 or PWR2 failure

#07989

Net Price:
351,00 EUR
Unit: pcs

Unmanaged switch, 8x 10/100 RJ-45 PoE, slim housing (ORing IPS-1080-24V)

IPS-1080 is slim type unmanaged PoE Ethernet switch with P.S.E. function. IPS-1080A supports Power over Ethernet, a system to transmit electrical power, along with data, to remote devices over standard twisted-pair cable in an Ethernet network. IPS-1080A switch has 8X10/100Base-T(X) P.S.E. (Power Sourcing Equipment) ports. P.S.E. is a device (switch or hub for instance) that will provide power in a PoE setup. The wide operating temperature range from -40oC to 70oC can satisfy most of operating environment. Therefore, the switch is one of the most reliable choices for PoE Ethernet application.

Physical Ports
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 8
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3x for Flow control, 802.3at PoE specyfication
MAC Table: 2048 MAC addresses
Processing: Store-and-Forward
LED Indicators
Power indicator: Green - Power LED x 2
Fault indicator: Amber - Indicate PWR1 or PWR2 failure
10/100TX RJ45 port Indicator: Green for port Link/Act., Green for PoE power injected
Fault contact
Relay: Relay output to carry capacity of 1A at 24VDC

#07988

Net Price:
281,00 EUR
Unit: pcs

Unmanaged switch, 8x 10/100 RJ-45 PoE, slim housing (ORing IPS-1080A)

IPS-1080A is slim type unmanaged PoE Ethernet switch with P.S.E. function. IPS-1080A supports Power over Ethernet, a system to transmit electrical power, along with data, to remote devices over standard twisted-pair cable in an Ethernet network. IPS-1080A switch has 8X10/100Base-T(X) P.S.E. (Power Sourcing Equipment) ports. P.S.E. is a device (switch or hub for instance) that will provide power in a PoE setup. The wide operating temperature range from -40oC to 70oC can satisfy most of operating environment. Therefore, the switch is one of the most reliable choices for PoE Ethernet application.

Physical Ports
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 8
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3x for Flow control, 802.3at PoE specyfication
MAC Table: 2048 MAC addresses
Processing: Store-and-Forward
LED Indicators
Power indicator: Green - Power LED x 2
Fault indicator: Amber - Indicate PWR1 or PWR2 failure
10/100TX RJ45 port Indicator: Green for port Link/Act., Green for PoE power injected
Fault contact
Relay: Relay output to carry capacity of 1A at 24VDC

#06517

Net Price:
540,00 EUR
Unit: pcs

Unmanaged switch, 8x 10/1000 RJ-45 PoE + 2x 1000 SFP, slim housing (ORing IGPS-1082GP)

IGPS-1082GP series is full Gigabit unmanaged PoE Ethernet switches with 8x10/100/1000Base-T(X) P.S.E. ports and 2x100/1000Base-X SFP ports. IGPS-1082GP series also support Power over Ethernet, a system to transmit electrical power up to 30 watts, along with data, to remote devices over standard twisted-pair cable in an Ethernet network. Each IGPS-1082GP series switch has 8x10/100/1000Base-T(X) P.S.E. (Power Sourcing Equipment) ports. P.S.E. is a device (switch or hub for instance) that will provide power in a PoE connection. And support wide operating temperature from -40 oC to 75 oC. Therefore, the switch is one of the most reliable choices for rolling stock and highly-unmanaged PoE Ethernet application.

Physical Ports
10/100/1000 Base-T(X) Ports in RJ45 with P.S.E. Auto MDI/MDIX: 8
100/1000Base-X SFP Ports: 2
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) and 100BaseFX,, IEEE 802.3z for 1000Base-X, IEEE 802.3x for Flow control, IEEE 802.3af/at PoE specification (up to 30 Watts per port for P.S.E.)
MAC Table: 8k MAC addresses
Processing: Store-and-Forward
Switch Properties: Switching latency less than 7us, Switching bandwidth 20Gbps
Jumbo frame: Up to 9.6K Bytes

#06518

Net Price:
600,00 EUR
Unit: pcs

Unmanaged switch, 8x 10/1000 RJ-45 PoE + 2x 1000 SFP, slim housing (ORing IGPS-1082GP-24V)

IGPS-1082GP series is full Gigabit unmanaged PoE Ethernet switches with 8x10/100/1000Base-T(X) P.S.E. ports and 2x100/1000Base-X SFP ports. IGPS-1082GP series also support Power over Ethernet, a system to transmit electrical power up to 30 watts, along with data, to remote devices over standard twisted-pair cable in an Ethernet network. Each IGPS-1082GP series switch has 8x10/100/1000Base-T(X) P.S.E. (Power Sourcing Equipment) ports. P.S.E. is a device (switch or hub for instance) that will provide power in a PoE connection. And support wide operating temperature from -40 oC to 75 oC. Therefore, the switch is one of the most reliable choices for rolling stock and highly-unmanaged PoE Ethernet application.

Physical Ports
10/100/1000 Base-T(X) Ports in RJ45 with P.S.E. Auto MDI/MDIX: 8
100/1000Base-X SFP Ports: 2
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) and 100BaseFX,, IEEE 802.3z for 1000Base-X, IEEE 802.3x for Flow control, IEEE 802.3af/at PoE specification (up to 30 Watts per port for P.S.E.)
MAC Table: 8k MAC addresses
Processing: Store-and-Forward
Switch Properties: Switching latency less than 7us, Switching bandwidth 20Gbps
Jumbo frame: Up to 9.6K Bytes

#07672

Net Price:
132,00 EUR
Unit: pcs

Unmanaged industrial switch, 8x 100/1000 RJ-45 PoE, 2x 1000 SFP (Wave Industrial WO-IS-M2GF8GT-8POE)

Physical Ports
100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 8 w/PoE
1000Base-FX SFP ports: 2
Technology
Ethernet Standards: IEEE 802.3u for 100Base-TX and 100Base-FX, IEEE 802.3ab for 1000Base-T, IEEE 802.3z for 1000Base-X
LED Indicators: power, RJ45 ports, SFP slots, PoE (8)
Power: Dual DC inputs. 48÷57VDC on 4-pin terminal block
Power consumption (typical): 12W

Physical Characteristic
Enclosure: IP-40
Dimension (W x H x D): 48mm x 142mm x 116mm
Weight: 600g

Environmental
Storage Temperature: -40÷85°C

#07642

Net Price:
365,00 EUR
Unit: pcs

Unmanaged switch, 8x 10/1000 RJ-45 PoE (ORing IGPS-1080-24V)

IGPS-1080-24V is the unmanaged Gigabit PoE Ethernet switch with P.S.E. function and relay output of 24VDC at 1A. IGPS-1080-24V supports Power over Ethernet, a system to transmit electrical power, along with data, to remote devices over standard twisted-pair cable in an Ethernet network. IGPS-1080-24V supports wide-range 24~36VDC power inputs and generates 50VDC P.S.E. power output per port. IGPS-1080-24V PoE switch has 8 x 10/100/1000Base-T(X) P.S.E. (Power Sourcing Equipment) ports. P.S.E. is a device (switch or hub for instance) that will provide power in a PoE setup. The wide operating temperature range from -40°C to 70°C can satisfy most of operating environment. Therefore, the switch is one of the most reliable choices for PoE Ethernet application.

Physical Ports
10/100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX with PoE (PSE): 8
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3ab for 1000Base-T, IEEE 802.3x for Flow control, 802.3at PoE specyfication
MAC Table: 2048 MAC addresses
Processing: Store-and-Forward
LED Indicators
Power indicator: Green - Power LED x 2
Fault indicator: Amber - Indicate PWR1 or PWR2 failure
10/100/1000TX RJ45 port Indicator: Green on only for 1000Mbit, Green and Amber on for 100Mbit, Amber on only for 10Mbit

#08166

Net Price:
260,00 EUR
Unit: pcs

Unmanaged switch, 8x 10/1000 RJ-45 PoE, slim housing (ORing IGPS-1080A)

IGPS-1080A is unmanaged PoE Ethernet switch with P.S.E. function. IGPS-1080A supports Power over Ethernet, a system to transmit electrical power, along with data, to remote devices over standard twisted-pair cable in an Ethernet network. IGPS-1080A switch has 8X10/100/1000Base-T(X) P.S.E. (Power Sourcing Equipment) ports. P.S.E. is a device (switch or hub for instance) that will provide power in a PoE setup. The wide operating temperature range from -40 to 70°C can satisfy most of operating environment. Therefore, the switch is one of the most reliable choices for PoE Ethernet application.

IGPS-1080A can be used in connecting several PoE P.D. Ethernet devices like IP-Camera or other Ethernet devices. In addition, there are two different power inputs at terminal block to avoid interruption caused by power down. When the primary DC power input fails, the backup power input will take over immediately to guarantee a non-stop operation.

Physical Ports
10/100/1000 Base-T(X) Ports in RJ45 with P.S.E. Auto MDI/MDIX: 8
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3ab for 1000Base-T, IEEE 802.3x for Flow control, 802.3at PoE specyfication
MAC Table: 2048 MAC addresses
Processing: Store-and-Forward
LED Indicators
Power indicator: Green - Power LED x 2
Fault indicator: Amber - Indicate PWR1 or PWR2 failure
10/100/1000TX RJ45 port Indicator: Green for port Link/Act., Green for PoE power injected

#06654

Net Price:
163,00 EUR
Unit: pcs

Unmanaged switch, 4x 10/100 RJ-45 + 1x 100 MM SC, slim housing (ORing IES-1041FX-MM-SC)

IES-1041FX/1042FX series are unmanaged Ethernet switches with 4 x 10/100Base-T(X) and 100Base-FX ports. IES-1041FX/1042FX series support redundant power inputs, configurable relay output alarm and rigid IP-30 housing. In addition, the wide operating temperature range from -40 to 70°C can satisfy most of operating environment

Physical Ports
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 4
100Base-FX Multimode ports (2km, 1310nm, SC connector): 1
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) and 100BaseFX, IEEE 802.3x for Flow control
MAC Table: 1024 MAC addresses
Processing: Store-and-Forward
LED Indicators
Power indicator: Green - Power LED x 2
Fault indicator: Yellow - Indicate PWR1 or PWR2 failure
10/100TX RJ45 port indicator: Green for port Link/Act, Yellow for Duplex/Collision

#06655

Net Price:
175,00 EUR
Unit: pcs

Unmanaged switch, 4x 10/100 RJ-45 + 1x 100 SM SC, slim housing (ORing IES-1041FX-SS-SC)

IES-1041FX/1042FX series are unmanaged Ethernet switches with 4 x 10/100Base-T(X) and 100Base-FX ports. IES-1041FX/1042FX series support redundant power inputs, configurable relay output alarm and rigid IP-30 housing. In addition, the wide operating temperature range from -40 to 70°C can satisfy most of operating environment

Physical Ports
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 4
100Base-FX Singlemode ports (30km, 1310nm, SC connector): 1
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) and 100BaseFX, IEEE 802.3x for Flow control
MAC Table: 1024 MAC addresses
Processing: Store-and-Forward
LED Indicators
Power indicator: Green - Power LED x 2
Fault indicator: Yellow - Indicate PWR1 or PWR2 failure
10/100TX RJ45 port indicator: Green for port Link/Act, Yellow for Duplex/Collision

#06656

Net Price:
201,00 EUR
Unit: pcs

Unmanaged switch, 4x 10/100 RJ-45 + 2x 100 MM SC, slim housing (ORing IES-1042FX-MM-SC)

IES-1041FX/1042FX series are unmanaged Ethernet switches with 4 x 10/100Base-T(X) and 100Base-FX ports. IES-1041FX/1042FX series support redundant power inputs, configurable relay output alarm and rigid IP-30 housing. In addition, the wide operating temperature range from -40 to 70°C can satisfy most of operating environment

Physical Ports
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 4
100Base-FX Multimode ports (2km, 1310nm, SC connector): 2
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) and 100BaseFX, IEEE 802.3x for Flow control
MAC Table: 1024 MAC addresses
Processing: Store-and-Forward
LED Indicators
Power indicator: Green - Power LED x 2
Fault indicator: Yellow - Indicate PWR1 or PWR2 failure
10/100TX RJ45 port indicator: Green for port Link/Act, Yellow for Duplex/Collision

#06657

Net Price:
224,00 EUR
Unit: pcs

Unmanaged switch, 4x 10/100 RJ-45 + 2x 100 SM SC, slim housing (ORing IES-1042FX-SS-SC)

IES-1041FX/1042FX series are unmanaged Ethernet switches with 4 x 10/100Base-T(X) and 100Base-FX ports. IES-1041FX/1042FX series support redundant power inputs, configurable relay output alarm and rigid IP-30 housing. In addition, the wide operating temperature range from -40 to 70°C can satisfy most of operating environment

Physical Ports
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 4
100Base-FX Singlemode ports (30km, 1550nm, SC connector): 2
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) and 100BaseFX, IEEE 802.3x for Flow control
MAC Table: 1024 MAC addresses
Processing: Store-and-Forward
LED Indicators
Power indicator: Green - Power LED x 2
Fault indicator: Yellow - Indicate PWR1 or PWR2 failure
10/100TX RJ45 port indicator: Green for port Link/Act, Yellow for Duplex/Collision

#06584

Net Price:
75,80 EUR
Unit: pcs

Unmanaged switch, 4x 10/100 RJ-45, 1x SFP, slim housing (ORing IES-C1041P)

Physical Ports
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 4
100Base-FX with SFP port: 1
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3x for Flow control
MAC Table: 1K
Packet buffer Size: 448Kbits
Processing: Store-and-Forward
LED Indicators
Power indicator: Green - Power LED x 2
Fault indicator: Yellow - Indicate PWR1 or PWR2 failure
10/100TX RJ45 port indicator: Green for port Link/Act, Yellow for Duplex/Collision
Fault contact
Relay: Relay output to carry capacity of 1A at 24VDC

#07961

Net Price:
65,30 EUR
Unit: pcs

Unmanaged switch, 5x 10/100 RJ-45, slim housing (ORing IES-1050)

IES-1050 is unmanaged Ethernet switch with 5x10/100TX ports. With very compact size of housing, you can install IES-1050 easily. In addition, IES-1050 is with rigid IP-30 housing design and can operate under harsh environment.

Physical Ports
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 5
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3x for Flow control
MAC Table: 2048 MAC addresses
Processing: Store-and-Forward
LED Indicators
Power indicator: Green - Power LED x 1
10/100TX RJ45 port indicator: Green for port Link/Act, Yellow for Duplex/Collision
Power
Input power: 9÷30VDC
Power consumption (typical): 3W
Overload current protection: present
Reverse polarity protection: present on terminal block

#06652

Net Price:
Call
Unit: pcs

Unmanaged switch, 5x 10/100 RJ-45, slim housing (ORing IES-1050A)

IES-1050A is unmanaged Ethernet switches with 5 or 8 x 10/100Base-T(X) ports. IES-1050A support redundant power inputs, configurable relay output alarm and rigid IP-30 housing. In addition, the wide operating temperature range from -40 to 70°C can satisfy most of operating environment.

Physical Ports
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 5
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3x for Flow control
MAC Table: 2048 MAC addresses
Processing: Store-and-Forward
LED Indicators
Power indicator: Green - Power LED x 2
Fault indicator: Yellow - Indicate PWR1 or PWR2 failure
10/100TX RJ45 port indicator: Green for port Link/Act, Yellow for Duplex/Collision
Fault contact
Relay: Relay output to carry capacity of 1A at 24VDC

#08159

Net Price:
94,20 EUR
Unit: pcs

Unmanaged switch, 5x 10/100 RJ-45, slim housing (ORing IES-150B)

IES-150B is an unmanaged Ethernet switch with 5x10/100Base-T(X) ports. With very mini size of housing, you can install IES-150B easily. In addition, IES-150B is with rigid IP-30 housing design and can operate under harsh environment. The extended operating temperature range from -40 to 70°C is ready and can satisfy most requirement of operation.

Physical Ports
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 5
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3x for Flow control
MAC Table: 2048 MAC addresses
Processing: Store-and-Forward
LED Indicators
Power indicator: Green - Power LED x 2
Fault indicator: Yellow - Indicate PWR1 or PWR2 failure
10/100TX RJ45 port indicator: Green for port Link/Act, Yellow for Duplex/Collision
Fault contact
Relay: Relay output to carry capacity of 1A at 24VDC

#06610

Net Price:
71,60 EUR
Unit: pcs

Unmanaged switch, 5x 10/100 RJ-45, slim housing (ORing IES-C1050)

Physical Ports
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 5
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3x for Flow control
MAC Table: 2048 MAC addresses
Processing: Store-and-Forward
LED Indicators
Power indicator: Green - Power LED x 2
Fault indicator: Yellow - Indicate PWR1 or PWR2 failure
10/100TX RJ45 port indicator: Green for port Link/Act, Yellow for Duplex/Collision
Fault contact
Relay: Relay output to carry capacity of 1A at 24VDC

#06595

Net Price:
177,00 EUR
Unit: pcs

Unmanaged switch, 6x 10/100 RJ-45 + 2x 10/1000 RJ-45 (ORing IES-1062GT)

IES-1080/1062 series are unmanaged Ethernet switches with 6x10/100Base-T(X) and 2x100Base-FX, 10/100/1000Base-T(X), 1000Base-SX or 1000Base- LX ports. IES-1080/1062 series support redundant power input, relay output alarm, and surge protection. The wide operating temperature range from -40°C to 70°C can satisfy most of operating environments.

Physical Ports
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 6
1000 Base-T Ports in RJ45 Auto MDI/MDIX: 2
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3ab for 1000BaseTX, IEEE 802.3x for Flow control
MAC Table: 8192 MAC addresses
Processing: Store-and-Forward
Software Features: Port configuration, Port status, Port statistics, Port monitoring, Port security
LED Indicators
Power indicator: Green - Power LED x 3
Fault indicator: Yellow - Indicate PWR1 or PWR2 failure

#07915

Net Price:
Call
Unit: pcs

Unmanaged switch, 6x 10/100 RJ-45 + 2x 100 MM SC (ORing IES-162FX-MM-SC-L)

IES-162FX-L series are unmanaged Ethernet switches with 6 x 10/100Base-T(X) and 2 x 100Base-FX ports. With very compact size of housing, you can install IES-162FX-L series easily. In addition, IES-162FX-L series are with rigid IP-30 housing design and can operate under harsh environment. The extended operating temperature range from -20°C to 60°C is ready and can satisfy most requirement of operation.

Physical Ports
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 6
100Base-FX Multimode ports (2km, 1310nm, SC connector): 2
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) and 100BaseFX, IEEE 802.3x for Flow control
MAC Table: 1024 MAC addresses
LED Indicators
Power indicator: Green - Power LED x 1
10/100TX RJ45 port indicator: Green for port Link/Act, Amber for speed indicator - Amber for 100Mbps, off-light for 10Mbps
Fiber port indicator: Green for port Link/Act

#07916

Net Price:
Call
Unit: pcs

Unmanaged switch, 6x 10/100 RJ-45 + 2x 100 SS SC (ORing IES-162FX-SS-SC-L)

IES-162FX-L series are unmanaged Ethernet switches with 6 x 10/100Base-T(X) and 2 x 100Base-FX ports. With very compact size of housing, you can install IES-162FX-L series easily. In addition, IES-162FX-L series are with rigid IP-30 housing design and can operate under harsh environment. The extended operating temperature range from -20°C to 60°C is ready and can satisfy most requirement of operation.

Physical Ports
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 6
100Base-FX Singlemode ports (30km, 1310nm, SC connector): 2
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) and 100BaseFX, IEEE 802.3x for Flow control
MAC Table: 1024 MAC addresses
LED Indicators
Power indicator: Green - Power LED x 1
10/100TX RJ45 port indicator: Green for port Link/Act, Amber for speed indicator - Amber for 100Mbps, off-light for 10Mbps
Fiber port indicator: Green for port Link/Act

#06585

Net Price:
91,60 EUR
Unit: pcs

Unmanaged switch, 6x 10/100 RJ-45, 2x SFP, slim housing (ORing IES-C1062P)

Physical Ports
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 6
100Base-FX with SFP port: 2
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3x for Flow control
MAC Table: 1K
Packet buffer Size: 448Kbits
Processing: Store-and-Forward
LED Indicators
Power indicator: Green - Power LED x 2
Fault indicator: Yellow - Indicate PWR1 or PWR2 failure
10/100TX RJ45 port indicator: Green for port Link/Act, Yellow for Duplex/Collision
Fault contact
Relay: Relay output to carry capacity of 1A at 24VDC

#06653

Net Price:
103,00 EUR
Unit: pcs

Unmanaged switch, 8x 10/100 RJ-45, slim housing (ORing IES-1080A)

IES-1050A/1080A is unmanaged Ethernet switches with 5 or 8 x 10/100Base-T(X) ports. IES-1050A/1080A support redundant power inputs, configurable relay output alarm and rigid IP-30 housing. In addition, the wide operating temperature range from -40 to 70°C can satisfy most of operating environment.

Physical Ports
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 8
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3x for Flow control
MAC Table: 2048 MAC addresses
Processing: Store-and-Forward
LED Indicators
Power indicator: Green - Power LED x 2
Fault indicator: Yellow - Indicate PWR1 or PWR2 failure
10/100TX RJ45 port indicator: Green for port Link/Act, Yellow for Duplex/Collision
Fault contact
Relay: Relay output to carry capacity of 1A at 24VDC

#07962

Net Price:
149,00 EUR
Unit: pcs

Unmanaged switch, 8x 10/100 RJ-45, slim housing (ORing IES-180B)

IES-180B is an unmanaged Ethernet switch with 8x10/100Base-T(X) ports. With very mini size of housing, you can install IES-180B easily. In addition, IES-180B is with rigid IP-30 housing design and can operate under harsh environment. The extended operating temperature range from -40 to 70°C is ready and can satisfy most requirement of operation.

Physical Ports
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 8
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3x for Flow control
MAC Table: 2048 MAC addresses
Processing: Store-and-Forward
LED Indicators
Power indicator: Green - Power LED x 2
10/100TX RJ45 port indicator: Green for port Link/Act, Yellow for Duplex/Collision
Power
Input power: Dual DC inputs. 12÷48VDC on 4-pin terminal block
Power consumption (typical): 4W
Overload current protection: present

#06612

Net Price:
86,30 EUR
Unit: pcs

Unmanaged switch, 8x 10/100 RJ-45, slim housing (ORing IES-C1080)

Physical Ports
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 8
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3x for Flow control
MAC Table: 2048 MAC addresses
Processing: Store-and-Forward
LED Indicators
Power indicator: Green - Power LED x 2
Fault indicator: Yellow - Indicate PWR1 or PWR2 failure
10/100TX RJ45 port indicator: Green for port Link/Act, Yellow for Duplex/Collision
Fault contact
Relay: Relay output to carry capacity of 1A at 24VDC

#07914

Net Price:
430,00 EUR
Unit: pcs

Unmanaged switch, 14x 10/100 RJ-45 + 2x 100 SFP (ORing IES-1142)

IES-1142P is a din-rail unmanaged Ethernet switch with 14x10/100Base-T(X) and 2x100Base-FX in SFP ports. IES-1142P supports redundant power inputs. The wide operating temperature range from -40°C to 70°C can satisfy most of operating environments.

Physical Ports
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 14
100 Mbps SFP Ports: 2
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3x for Flow control
MAC Table: 4096 MAC addresses
Processing: Store-and-Forward
Software Features: Port configuration, Port status, Port statistics, Port monitoring, Port security
LED Indicators
Power indicator: Green - Power LED x 3
10/100TX RJ45 port indicator: Green for port Link/Act, Amber for speed indicator - Amber for 100Mbps, off-light for 10Mbps

#08160

Net Price:
416,00 EUR
Unit: pcs

Unmanaged switch, 16x 10/100 RJ-45 (ORing IES-1160)

IES-1160 is the unmanaged Ethernet switch with 16x10/100Base-T(X) port. IES-1160 support redundant power inputs, relay output alarm, and surge protection. The wide operating temperature range from -40°C to 70°C can satisfy most of operating environments. Especially, IES-1160 features dual different redundant DC power inputs, two DC power inputs are on terminal block to avoid any unexpected fails on power on. Thus, IES-1160 could guarantee a non-stop operation. Therefore, the switch is one of the most reliable choice for highly-unmanaged Ethernet application.

Physical Ports
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 16
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3x for Flow control
MAC Table: 8192 MAC addresses
Processing: Store-and-Forward
Software Features: Port configuration, Port status, Port statistics, Port monitoring, Port security
LED Indicators
Power indicator: Green - Power LED x 3
Fault indicator: Yellow - Indicate PWR1 or PWR2 failure
10/100TX RJ45 port indicator: Green for port Link/Act, Yellow for Duplex/Collision

#07637

Net Price:
477,00 EUR
Unit: pcs

Unmanaged switch, 16x 10/100 RJ-45 + 2x SFP (ORing IES-1162GC)

IES-1162GC is the unmanaged Ethernet switch with 16x10/100Base-T(X) and 2xgigabit combo ports. IES-1162GC supports redundant power inputs, relay output alarm, and surge protection. The wide operating temperature range from -40°C to 70°C can satisfy most of operating environments. Especially, IES-1162GC features dual different redundant DC power inputs, two DC power inputs are on terminal block to avoid any unexpected fails on power on. Thus, IES-1162GC could guarantee a non-stop operation. Therefore, the switch is one of the most reliable choice for highly-unmanaged Ethernet application.

Physical Ports
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 16
1000 SFP: 2
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3x for Flow control
MAC Table: 8192 MAC addresses
Processing: Store-and-Forward
Software Features: Port configuration, Port status, Port statistics, Port monitoring, Port security
LED Indicators
Power indicator: Green - Power LED x 3
Fault indicator: Yellow - Indicate PWR1 or PWR2 failure
10/100TX RJ45 port indicator: Green for port Link/Act, Yellow for Duplex/Collision

#08161

Net Price:
542,00 EUR
Unit: pcs

Unmanaged switch, 24x 10/100 RJ-45 (ORing IES-1240)

IES-1240 is the unmanaged Ethernet switch with 24x10/100Base-T(X) port. IES-1240 support redundant power inputs, relay output alarm, and surge protection. The wide operating temperature range from -40°C to 70°C can satisfy most of operating environments. Especially, IES-1240 features dual different redundant DC power inputs, two DC power inputs are on terminal block to avoid any unexpected fails on power on. Thus, IES-1240 could guarantee a non-stop operation. Therefore, the switch is one of the most reliable choice for highly-unmanaged Ethernet application

Physical Ports
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 24
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3x for Flow control
MAC Table: 8192 MAC addresses
Processing: Store-and-Forward
Software Features: Port configuration, Port status, Port statistics, Port monitoring, Port security
LED Indicators
Power indicator: Green - Power LED x 3
Fault indicator: Yellow - Indicate PWR1 or PWR2 failure
10/100TX RJ45 port indicator: Green for port Link/Act, Yellow for Duplex/Collision

#06587

Net Price:
374,00 EUR
Unit: pcs

Smart switch, 4x 10/100 RJ-45 + 2x 100 MM SC, O-Ring <10ms (ORing IES-2042FX-MM-SC)

IES-2060/2042FX series are lite-Managed Redundant Ring Ethernet switches with 6x10/100Base-T(X) ports or 4x10/100Base-T(X) and 2x100Base-FX ports. With complete support of Ethernet Redundancy protocol, O-Ring (recovery time < 10ms over 250 units of connection), Open-Ring, O-Chain and STP/RSTP (IEEE802.1w/D) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. IES-2060/2042FX series can be managed centralized and convenient by a powerful windows utility - Open-Vision. In addition, the wide operating temperature range from -40°C to 70°C can satisfy most of operating environment. Therefore, these switch is one of the most reliable choice for easy managed Fiber Ethernet application.

Physical Ports
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 4
100Base-FX Multimode ports (2km, 1310nm, SC connector): 2
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) and 100BaseFX, IEEE 802.3x for Flow control, IEEE 802.1D for STP (Spanning Tree Protocol), IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.3ad for LACP (Link Aggregation Control Protocol)
MAC Table: 2048 MAC addresses
Priority Queues: 4
Processing: Store-and-Forward
Switching bandwidth: 1.0 Gbps

#06588

Net Price:
402,00 EUR
Unit: pcs

Smart switch, 4x 10/100 RJ-45 + 2x 100 SM SC, O-Ring <10ms (ORing IES-2042FX-SS-SC)

IES-2060/2042FX series are lite-Managed Redundant Ring Ethernet switches with 6x10/100Base-T(X) ports or 4x10/100Base-T(X) and 2x100Base-FX ports. With complete support of Ethernet Redundancy protocol, O-Ring (recovery time < 10ms over 250 units of connection), Open-Ring, O-Chain and STP/RSTP (IEEE802.1w/D) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. IES-2060/2042FX series can be managed centralized and convenient by a powerful windows utility - Open-Vision. In addition, the wide operating temperature range from -40°C to 70°C can satisfy most of operating environment. Therefore, these switch is one of the most reliable choice for easy managed Fiber Ethernet application.

Physical Ports
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 4
100Base-FX Singlemode ports (30km, 1550nm, SC connector): 2
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) and 100BaseFX, IEEE 802.3x for Flow control, IEEE 802.1D for STP (Spanning Tree Protocol), IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.3ad for LACP (Link Aggregation Control Protocol)
MAC Table: 2048 MAC addresses
Priority Queues: 4
Processing: Store-and-Forward
Switching bandwidth: 1.0 Gbps

#06583

Net Price:
193,00 EUR
Unit: pcs

Smart switch, 5x 10/100 RJ-45, O-Ring <10ms (ORing IES-2050A)

IES-2050A is a lite-managed Ethernet switch. With very compact size of housing, you can install IES-2050A easily. In addition, it also supports of Ethernet Redundancy protocol, O-Ring (recovery time < 10ms over 250 units of connection), Open-Ring, O-Chain and STP/RSTP (IEEE802.1w/D) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. IES-2050A provide the setting ability of Web-GUI and Windows Utility, also support the simple DIP-Switch setting function which offer great flexibility to set up the Ring. IES-2050A is with rigid IP-30 housing design and can operate under harsh environment. The feature of wide operating temperature range from -40 to 70°C can satisfy most requirement of operation.

Physical Ports
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 5
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3x for Flow control, IEEE 802.1D for STP (Spanning Tree Protocol), IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.3ad for LACP (Link Aggregation Control Protocol)
MAC Table: 2048 MAC addresses
Priority Queues: 4
Processing: Store-and-Forward
Switching bandwidth: 1.0 Gbps
VLAN: Port Based
Security Features: Enable/disable ports, VLAN to segregate and secure network traffic

#08162

Net Price:
214,00 EUR
Unit: pcs

Managed switch, 4x 10/100 RJ-45 + 2x100 SFP, O/Open-Ring <10ms (ORing IES-2042PA)

IES-2042PA is a Lite-Managed Redundant Ring Ethernet switch. With very compact size of housing, you can install IES-2042PA easily. In addition, it also supports of Ethernet Redundancy protocol, O-Ring (recovery time < 10ms over 250 units of connection), Open-Ring, O-Chain and STP/RSTP (IEEE802.1w/D) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. IES-2042PA provides the setting ability of Web-GUI and Windows Utility, also support the simple DIP-Switch setting function which offers great flexibility to set up the Ring. With it's rigid IP-30 housing design, it can operate under harsh environment. The feature of wide operating temperature range from -40 to 70°C can satisfy most requirement of operation.

Physical Ports
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 4
100 Mbps SFP Ports: 2
RS-232 Serial Console Port: RS-232 in RJ45 connector with console cable (9600bps 8 N 1)
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3x for Flow control, IEEE 802.1D for STP (Spanning Tree Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1X for Authentication, EEE 802.3ab dla LLDP (Link Layer Discovery Protocol)

#06606

Net Price:
505,00 EUR
Unit: pcs

Managed switch, 6x 10/100 RJ-45 + 2x100 MM SC, O/Open-Ring <10ms (ORing IES-3062FX-MM-SC)

IES-3080 / IES-3062 series are managed Redundant Ring Ethernet switches with 6x10/100Base-T(X) and 2x10/100Base-T(X), 100Base-FX, 1000Base-T, 1000Base-SX or 1000Base-LX ports. With complete support of Ethernet Redundancy protocol, O-Ring (recovery time < 10ms over 250 units of connection), Open-Ring and MSTP/RSTP/STP (IEEE 802.1s/w/D) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. Another Open-Ring technology is also supported which can applied for other vendor's proprietary ring. IES-3080 / IES-3062 series can be managed centralized and convenient by a powerful windows utility - Open-Vision. In addition, the wide operating temperature range from -40°C to 70°C can satisfy most of operating environment. Therefore, the switch is one of the most reliable choice for highly-managed Fiber Ethernet application.

Physical Ports
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 6
100Base-FX Multimode ports (2km, 1310nm, SC connector): 2
RS-232 Serial Console Port: RS-232 in RJ45 connector with console cable (9600bps 8 N 1)
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) and 100BaseFX, IEEE 802.3x for Flow control, IEEE 802.1D for STP (Spanning Tree Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1X for Authentication, IEEE 802.3ad for LACP (Link Aggregation Control Protocol), IEEE 1588 for Precise Time Protocol Client

#06609

Net Price:
549,00 EUR
Unit: pcs

Managed switch, 6x 10/100 RJ-45 + 2x100 SM SC, O/Open-Ring <10ms (ORing IES-3062FX-SS-SC)

IES-3080 / IES-3062 series are managed Redundant Ring Ethernet switches with 6x10/100Base-T(X) and 2x10/100Base-T(X), 100Base-FX, 1000Base-T, 1000Base-SX or 1000Base-LX ports. With complete support of Ethernet Redundancy protocol, O-Ring (recovery time < 10ms over 250 units of connection), Open-Ring and MSTP/RSTP/STP (IEEE 802.1s/w/D) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. Another Open-Ring technology is also supported which can applied for other vendor's proprietary ring. IES-3080 / IES-3062 series can be managed centralized and convenient by a powerful windows utility - Open-Vision. In addition, the wide operating temperature range from -40°C to 70°C can satisfy most of operating environment. Therefore, the switch is one of the most reliable choice for highly-managed Fiber Ethernet application.

Physical Ports
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 6
100Base-FX Singlemode ports (30km, 1550nm, SC connector): 2
RS-232 Serial Console Port: RS-232 in RJ45 connector with console cable (9600bps 8 N 1)
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) and 100BaseFX, IEEE 802.3x for Flow control, IEEE 802.1D for STP (Spanning Tree Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1X for Authentication, IEEE 802.3ad for LACP (Link Aggregation Control Protocol), IEEE 1588 for Precise Time Protocol Client

#07636

Net Price:
653,00 EUR
Unit: pcs

Managed switch, 7x 10/100 RJ-45 + 3 slide-in SFP slots / RJ-45, O/Open-Ring <10ms (ORing IES-3073GC)

IES-3073GC is managed Redundant Ring Ethernet switch with 7x10/100Base-T(X) ports and 3xGigabit combo ports. With complete support of Ethernet Redundancy protocol, O-Ring (recovery time < 10ms over 250 units of connection), Open-Ring, and MSTP/RSTP/STP (IEEE 802.1s/w/D) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. All function of IES-3073GC can be managed centralized and convenient by a powerful windows utility - Open-Vision. IES-3073GC support new DDM (Digital Diagnostic Monitoring) function, which can monitor instantly the status of electrical voltage, current and temperature. In addition, the wide operating temperature range from -40 to 70°C can satisfy most of operating environment. Therefore, the switch is one of the most reliable choice for highly-managed and Fiber Ethernet application.

Physical Ports
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 7
1000 COMBO with SFP: 3
RS-232 Serial Console Port: RS-232 in RJ45 connector with console cable (9600bps 8 N 1)
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3x for Flow control, IEEE 802.1D for STP (Spanning Tree Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1X for Authentication, IEEE 802.3ad for LACP (Link Aggregation Control Protocol)

#07902

Net Price:
902,00 EUR
Unit: pcs

Managed switch, 7x 10/100 RJ-45 + 3 slide-in SFP slots / RJ-45, O/Open-Ring <10ms (ORing IES-P3073GC-HV)

IES-P3073GC series are IEC 61850-3 managed Redundant Ring Ethernet switch with 7x10/100Base-T(X) and 3xGigabit combo ports. These switches are designed for power substation application and rolling stock application, fully compliant with the requirement of IEC 61850-3 and IEEE 1613. And these switches designed for the toughest and fully compliant with EN50155 requirement. With completely support of Ethernet Redundancy protocol, O-Ring (recovery time < 10ms over 250 units of connection), Open-Ring, O-Chain, MRP and MSTP/RSTP:2004/STP (IEEE 802.1s/w/D) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. Another Open-Ring technology is also supported which can applied for other vendor's proprietary ring. O-Chain is the revolutionary network redundancy technology that provides the addon network redundancy topology for any backbone network, O-Chain allows multiple redundant network rings of different redundancy protocols to join and function together as a larger and more robust compound network topology. O-Chain provided ease-of-use while maximizing fault-recovery swiftness,
flexibility, compatibility, and cost-effectiveness in one set of network redundancy topology. All function of IES-P3073GC series can be managed centralized and convenient by a powerful windows utility - Open-Vision. IES-P3073GC series support new DDM (Digital Diagnostic Monitoring) function, which can monitor instantly the status of electrical voltage, current and temperature. In addition, the wide operating temperature range from -40 to 85°C can satisfy most of operating environment. Therefore, these switches are one of the most reliable choices for highly-managed Fiber Ethernet application.

Physical Ports
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 7
1000 COMBO with SFP: 3
RS-232 Serial Console Port: RS-232 in RJ45 connector with console cable (9600bps 8 N 1)
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3x for Flow control, IEEE 802.1D for STP (Spanning Tree Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1X for Authentication, IEEE 802.3ad for LACP (Link Aggregation Control Protocol)

#06598

Net Price:
505,00 EUR
Unit: pcs

Managed switch, 8x 10/100 RJ-45 + 2x1000 SFP, O/Open-Ring <10ms (ORing IES-3082GP)

IES-3082GP is managed Redundant Ring Ethernet switch with 8x10/100Base-T(X) and 2x100/1000Base-X SFP ports. With complete support of Ethernet Redundancy protocol, O-Ring (recovery time < 10ms over 250 units of connection), Open-Ring, and MSTP/RSTP/STP (IEEE 802.1s/w/D) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. IES-3082GP can be managed centralized and convenient by a powerful windows utility - Open-Vision. In addition, the wide operating temperature range from -40°C to 70°C can satisfy most of operating environment. Therefore, the switch is one of the most reliable choices for highly-managed and Fiber Ethernet application.

Physical Ports
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 8
1000 Mbps SFP Ports: 2
RS-232 Serial Console Port: RS-232 in RJ45 connector with console cable (9600bps 8 N 1)
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3x for Flow control, IEEE 802.1D for STP (Spanning Tree Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1X for Authentication, IEEE 802.3ad for LACP (Link Aggregation Control Protocol)

#07999

Net Price:
384,00 EUR
Unit: pcs

Managed switch, 8x 10/100 RJ-45 + 2x1000 SFP, O/Open-Ring <10ms (ORing IES-3082GP-LA)

IES-3082GP-LA is managed Redundant Ring Ethernet switch with 8x10/100Base-T(X) ports and 2x100/1000Base-X，SFP socket. With completely support of Ethernet Redundancy protocol, O-Ring (recovery time < 10ms over 250 units of connection), O-Chain, MRP and MSTP/RSTP/STP (IEEE 802.1s/w/D) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. O-Chain is the revolutionary network redundancy technology that provides the add-on network redundancy topology for any backbone network, O-Chain allows multiple redundant network rings of different redundancy protocols to join and function together as a larger and more robust compound network topology. O-Chain providing ease-of-use while maximizing fault-recovery swiftness, flexibility, compatibility, and cost-effectiveness in one set of network redundancy topology. All function of IES-3082GP-LA can be managed centralized and convenient by a powerful windows utility - Open-Vision. In addition, the wide operating temperature range from -40 to 75o C can satisfy most of operating environment. Therefore, the switch is one of the most reliable choices for highly-managed Ethernet application.

Physical Ports
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 8
1000 Mbps SFP Ports: 2
RS-232 Serial Console Port: RS-232 in RJ45 connector with console cable (9600bps 8 N 1)
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3x for Flow control, IEEE 802.1D for STP (Spanning Tree Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1X for Authentication, IEEE 802.3ad for LACP (Link Aggregation Control Protocol)

#06593

Net Price:
407,00 EUR
Unit: pcs

Managed switch, 8x 10/100 RJ-45, O/Open-Ring <10ms (ORing IES-3080)

IES-3080 / IES-3062 series are managed Redundant Ring Ethernet switches with 6x10/100Base-T(X) and 2x10/100Base-T(X), 100Base-FX, 1000Base-T, 1000Base-SX or 1000Base-LX ports. With complete support of Ethernet Redundancy protocol, O-Ring (recovery time < 10ms over 250 units of connection), Open-Ring and MSTP/RSTP/STP (IEEE 802.1s/w/D) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. Another Open-Ring technology is also supported which can applied for other vendor's proprietary ring. IES-3080 / IES-3062 series can be managed centralized and convenient by a powerful windows utility - Open-Vision. In addition, the wide operating temperature range from -40°C to 70°C can satisfy most of operating environment. Therefore, the switch is one of the most reliable choice for highly-managed Fiber Ethernet application.

Physical Ports
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 8
RS-232 Serial Console Port: RS-232 in RJ45 connector with console cable (9600bps 8 N 1)
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3x for Flow control, IEEE 802.1D for STP (Spanning Tree Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1X for Authentication, IEEE 802.3ad for LACP (Link Aggregation Control Protocol), IEEE 1588 for Precise Time Protocol Client

#06990

Net Price:
747,00 EUR
Unit: pcs

Managed switch, 16x 10/100 RJ-45 + 2 slide-in SFP slots / RJ-45, O/Open-Ring <10ms (ORing IES-3162GC)

IES-3162GC is the managed Redundant Ring Ethernet switch with 16x10/100Base-T(X) ports and 2xgigabit combo ports. With complete support of Ethernet Redundancy protocol, O-Ring (recovery time < 10ms over 250 units of connection), Open-Ring, O-RSTP and MSTP/RSTP/STP (IEEE 802.1s/w/D) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. All function of IES-3162GC can be managed centralized and convenient by a powerful windows utility - Open-Vision. In addition, the wide operating temperature range from -40 to 70°C can satisfy most of operating environment. Therefore, the switch is one of the most reliable choice for highly-managed and Fiber Ethernet application.

Physical Ports
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 16
1000 COMBO with SFP: 2
RS-232 Serial Console Port: RS-232 in RJ45 connector with console cable (9600bps 8 N 1)
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3x for Flow control, IEEE 802.1D for STP (Spanning Tree Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1X for Authentication, IEEE 802.3ad for LACP (Link Aggregation Control Protocol)

#07635

Net Price:
684,00 EUR
Unit: pcs

Managed switch, 16x 10/100 RJ-45, O/Open-Ring <10ms (ORing IES-3160)

IES-3160 is an managed Redundant Ring Ethernet switch with 16x10/100Base-T(X) ports. With complete support of Ethernet Redundancy protocol, O-Ring (recovery time < 10ms over 250 units of connection), Open-Ring and MSTP/RSTP/STP (IEEE 802.1s/w/D) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. All function of IES-3160 can be managed centralized and convenient by a powerful windows utility - Open-Vision. In addition, the wide operating temperature range from -40 to 70°C can satisfy most of operating environment. Therefore, the switch is one of the most reliable choice for highly-managed Ethernet application.

Physical Ports
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 16
RS-232 Serial Console Port: RS-232 in RJ45 connector with console cable (9600bps 8 N 1)
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3x for Flow control, IEEE 802.1D for STP (Spanning Tree Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1X for Authentication, IEEE 802.3ad for LACP (Link Aggregation Control Protocol)

#07634

Net Price:
Call
Unit: pcs

Managed switch, 16x 10/100 RJ-45, O/Open-Ring <10ms (ORing IES-3240)

IES-3240 is an managed Redundant Ring Ethernet switch with 24x10/100Base-T(X) ports. With complete support of Ethernet Redundancy protocol, O-Ring (recovery time < 10ms over 250 units of connection), Open-Ring and MSTP/RSTP/STP (IEEE 802.1s/w/D) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. All function of IES-3240 can be managed centralized and convenient by a powerful windows utility - Open-Vision. In addition, the wide operating temperature range from -40 to 70°C can satisfy most of operating environment. Therefore, the switch is one of the most reliable choice for highly-managed Ethernet application.

Physical Ports
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 24
RS-232 Serial Console Port: RS-232 in RJ45 connector with console cable (9600bps 8 N 1)
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3x for Flow control, IEEE 802.1D for STP (Spanning Tree Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1X for Authentication, IEEE 802.3ad for LACP (Link Aggregation Control Protocol)

#06516

Net Price:
607,00 EUR
Unit: pcs

Managed switch, 24x 10/100Base-T(X) RJ45 Ports + 2x 10/100/1000 COMBO Ports with SFP, O/Open-Ring <10ms (ORing RES-9242GC-EU)

RES-9242GC is rack mount managed redundant ring Ethernet switch with 24x10/100Base-T(X) ports and 2xgigabit combo ports, SFP socket. RES-9242GC also support Ethernet Redundancy protocol, O-Ring (recovery time < 10ms over 250 units of connection) /Open-Ring/O-Chain/>*noteMRP/Fast Recovery and MSTP (RSTP/STP compatible) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. RES-9242GC supported wide operating temperature from -40°C to 75°C. RES-9242GC can also be managed centralized and convenient by Open-Vision, Except the Web-based interface, Telnet and console (CLI) configuration. Therefore, the switch is one of the most reliable choice for highly-managed and Fiber Ethernet application.

Physical Ports
10/100Base-T(X) RJ45 Ports: 24
10/100/1000 COMBO with SFP: 2
RS-232 Serial Console Port: RS-232 in DB-9 connector with console cable (115200bps 8 N 1)
Technology
Ethernet Standards: IEEE 802.3 for 10Base-T, IEEE 802.3u for 100Base-TX, IEEE 802.3ab for 1000Base-T, IEEE 802.3z for 1000Base-X, IEEE 802.3x for Flow control, IEEE 802.3ad for LACP (Link Aggregation Control Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1s for MSTP (Multiple Spanning Tree Protocol), IEEE 802.1x for Authentication, IEEE 802.1AB for LLDP (Link Layer Discovery Protocol)

#06625

Net Price:
1 250,00 EUR
Unit: pcs

Managed switch, 24x 10/100Base-T(X) RJ45 Ports + 2x 10/100/1000 COMBO Ports with SFP, O/Open-Ring <30ms (ORing RES-P9242GCL-HV)

RES-P9242GCL series are 26-port rack mount managed redundant ring Ethernet switch with 24x10/100Base-T(X) and 2xGigabit Combo ports, SFP socket. These switches are designed for power substation application, and it is fully compliant with the requirement of IEC 61850-3 and IEEE 1613. These switches support Ethernet Redundancy protocol, O-Ring (recovery time < 30ms), O-Chain, MRP*note, Fast Recovery and MSTP (RSTP/STP compatible) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. RES-P9242GCL series can also be managed centralized and convenient by Open-Vision, as well as the Web-based interface, Telnet and console (CLI) configuration. Therefore, the switch is one of the most reliable choice for highly-managed and Fiber Ethernet application.

Physical Ports
10/100Base-T(X) RJ45 Ports: 24
10/100/1000 COMBO with SFP: 2
RS-232 Serial Console Port: RS-232 in DB-9 connector with console cable (115200bps 8 N 1)
Technology
Ethernet Standards: IEEE 802.3 for 10Base-T, IEEE 802.3u for 100Base-TX, IEEE 802.3ab for 1000Base-T, IEEE 802.3z for 1000Base-X, IEEE 802.3x for Flow control, IEEE 802.3ad for LACP (Link Aggregation Control Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1s for MSTP (Multiple Spanning Tree Protocol), IEEE 802.1x for Authentication, IEEE 802.1AB for LLDP (Link Layer Discovery Protocol), IEEE 802.1D for STP (Spanning Tree Protocol)

#06658

Net Price:
201,00 EUR
Unit: pcs

Unmanaged switch, 4x 100/1G/2.5G RJ-45 + 2x1000/10G SFP+ (ORing IDGS-C1042GP+)

IDGS-C1042GP+ is unmanaged Ethernet Switch with 4x10/100/1000/25000Base-T(X) ports with 2x1G/10GBase-X SFP ports
and extended operating temperature range from -40°C to 75°C for the harsh environments. Therefore, the switch is one of
the most reliable choices for rolling stock and highly unmanaged Ethernet application.

Physical Ports
10/100/1000/2500 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 4
1000/10GBase-X, SFP+ ports: 2
Technology
Ethernet Standards: IEEE 802.3 for 10Base-T, IEEE 802.3u for 100Base-TX, IEEE 802.3ab for 1000Base-T, IEEE 802.3z for 1000Base-X, IEEE 802.3bz for 2.5GBaseT, IEEE 802.3ae for 10G SFP+, IEEE 802.3x for Flow control
MAC Table: 8192 MAC addresses
Processing: Store-and-Forward
Switching latency: 10 µs
Switching bandwidth: 60 Gbps
Power
Input power: Dual DC inputs. 12÷48VDC on 4-pin terminal block

#06879

Net Price:
180,00 EUR
Unit: pcs

Unmanaged switch, 4x 10/1000 RJ-45 + 1x 1000 SFP , slim housing (ORing IGS-1041GPA)

IGS-1050A/IGS-1041GPA series are unmanaged gigabit Ethernet switches with 5 x 10/100/1000Base-T(X) ports or 4 x 10/100/1000Base-T(X) and 1 x 1000Base-X SFP ports. IGS-1050A/IGS-1041GPA series support redundant power inputs, rigid IP-30 housing and have DIP switches for enabling or disabling relay output alarm. In addition, the wide operating temperature range from -40 to 70°C can satisfy most of operating environment.

Physical Ports
10/100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 4
1000Base-X SFP Ports: 1
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) and 100BaseFX,, IEEE 802.3z for 1000Base-X, IEEE 802.3x for Flow control
MAC Table: 1024 MAC addresses
Processing: Store-and-Forward
LED Indicators
Power indicator: Green - Power LED x 2
Fault indicator: Amber - Indicate PWR1 or PWR2 failure
10/100/1000TX RJ45 port Indicator: Green on only for 1000Mbit, Green and Amber on for 100Mbit, Amber on only for 10Mbit

#07960

Net Price:
201,00 EUR
Unit: pcs

Unmanaged switch, 4x 10/1000 RJ-45 + 2x 1000 SFP, slim housing (ORing IGS-1042GPA)

IGS-1042GPA is an unmanaged Ethernet switch. IGS-1042GPA has 4x10/100/1000Base-T(X) and 2x100/1000Base-X SFP port. The SFP port optical network speed can be set by changing the settings of the DIP-Switch below. IGS-1042GPA supports wide range 12~48VDC power inputs. The wide operating temperature range from -40oC to 70oC can satisfy most of operating environment. Therefore, the switch is one of the most reliable choices for Ethernet application.

Physical Ports
10/100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 4
100/1000Base-X SFP Ports: 2
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) and 100BaseFX,, IEEE 802.3z for 1000Base-X, IEEE 802.3x for Flow control
MAC Table: 1024 MAC addresses
Processing: Store-and-Forward
LED Indicators
Power indicator: Green - Power LED x 2
Fault indicator: Amber - Indicate PWR1 or PWR2 failure
10/100/1000TX RJ45 port Indicator: Green on only for 1000Mbit, Green and Amber on for 100Mbit, Amber on only for 10Mbit

#07667

Net Price:
37,70 EUR
Unit: pcs

Unmanaged industrial switch, 5x 10/1000 RJ-45 (Wave Industrial WO-IS-M5GT)

Physical Ports
100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 5
Technology
Ethernet Standards: IEEE 802.3u for 100Base-TX and 100Base-FX, IEEE 802.3ab for 1000Base-T, IEEE 802.3z for 1000Base-X
LED Indicators: power, RJ45 ports (5)
Power: Dual DC inputs. 9÷48VDC on 4-pin terminal block
Power consumption (typical): 5.8W

Physical Characteristic
Enclosure: IP-40
Dimension (W x H x D): 33mm x 115mm x 85mm
Weight: 330g

Environmental
Storage Temperature: -40÷85°C
Operating Temperature: -40÷85°C

#06613

Net Price:
106,00 EUR
Unit: pcs

Unmanaged switch, 5x 10/100/1000 RJ-45, slim housing (ORing IGS-C1050)

Physical Ports
10/100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 5
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3x for Flow control
MAC Table: 2048 MAC addresses
Processing: Store-and-Forward
LED Indicators
Power indicator: Green - Power LED x 2
Fault indicator: Yellow - Indicate PWR1 or PWR2 failure
10/100TX RJ45 port indicator: Green for port Link/Act, Yellow for Duplex/Collision
Fault contact
Relay: Relay output to carry capacity of 1A at 24VDC

#06878

Net Price:
161,00 EUR
Unit: pcs

Unmanaged switch, 5x 10/1000 RJ-45, slim housing (ORing IGS-1050A)

IGS-1050A/IGS-1041GPA series are unmanaged gigabit Ethernet switches with 5 x 10/100/1000Base-T(X) ports or 4 x 10/100/1000Base-T(X) and 1 x 1000Base-X SFP ports. IGS-1050A/IGS-1041GPA series support redundant power inputs, rigid IP-30 housing and have DIP switches for enabling or disabling relay output alarm. In addition, the wide operating temperature range from -40 to 70°C can satisfy most of operating environment.

Physical Ports
10/100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 5
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3ab for 1000Base-T, IEEE 802.3x for Flow control
MAC Table: 1024 MAC addresses
Processing: Store-and-Forward
LED Indicators
Power indicator: Green - Power LED x 2
Fault indicator: Amber - Indicate PWR1 or PWR2 failure
10/100/1000TX RJ45 port Indicator: Green on only for 1000Mbit, Green and Amber on for 100Mbit, Amber on only for 10Mbit

#07959

Net Price:
Call
Unit: pcs

Unmanaged switch, 5x 10/1000 RJ-45, slim housing (ORing IGS-150B)

IGS-150B is a mini type unmanaged full gigabit Ethernet switch with 5 x 10/100/1000Base-T(X) ports. IGS-150B supports redundant power input and rigid mini size IP-30 housing. In addition, the wide operating temperature range from -40oC to 70oC can satisfy most of operating environment.

Physical Ports
10/100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 5
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3x for Flow control, IEEE 802.3ab for 1000Base-T
MAC Table: 4096 MAC addresses
Processing: Store-and-Forward
LED Indicators
Power indicator: Green - Power LED x 2
10/100T/1000X RJ45 port indicator: Up Green LED for Link/Act indicator, Down dual color LED for speed indicator Green - 1000Mbps, Amber - 100Mbps, Off - 10Mbps
Fault contact

#08431

Net Price:
Call
Unit: pcs

Unmanaged switch, 4x 10/100/1000 RJ-45, Gigabit Ethernet, PCIe slot (ORing IGCS-E140)

IGCS-E140 is an PCI-Express unmanaged Gigabit Ethernet switch card. The Ethernet switch card is a high performance LAN controller. IGCS-E140 provided 4x10/100/1000Base-T(X) auto MDI/MDIX Ethernet ports. IGCS-E140 could be installed on any IPC motherboard with PCIe socket to make the IPC/embedded system able to communication with other Ethernet devices. The IGCS-E140's full bandwidth capability boasts a robust 1000Mbps capability through the PCI-Express bus architecture. IGCS-E140 no need to purchase a new switch or broadband router because the auto-negotiation feature works with your existing switch, broadband router, or hub to provide the highest network speed available. The automatic full duplex capability further increases bandwidth and eliminates packet collisions by allowing data to flow in both directions at the same time. Therefore, IGCS-E140 is the best solution to IPC/embedded system to feature Ethernet network.

Physical Ports
10/100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 4
Technology
Ethernet Standards: IEEE 802.3 for 10Base-T, IEEE 802.3u for 100Base-TX, IEEE 802.3ab for 1000Base-T, IEEE 802.3x for Flow control
MAC Table: 8192 MAC addresses
Processing: Store-and-Forward
LED Indicators
Power indicator: Green - Power LED x 1
10/100TX RJ45 port indicator: Green for port Link/Act. Amber for Collision/Duplex indicator
Power
Input power: PCIe bus powered
Power consumption (typical): 4,2W
Overload current protection: present

#07666

Net Price:
43,70 EUR
Unit: pcs

Unmanaged switch, 4x 10/1000 RJ-45 + 2x 1000 SFP (Wave Industrial WO-IS-2GF4GC)

WO-IS-2GF4GC is an industrial Ethernet switch with extended temperature ranges developed by Wave Optics to fulfill needs in industries including
smart traffic, expressways, smart cities, safe cities, new energy, smart manufacturing, and so on. The two Gigabit fiber port and four Gigabit copper ports provide a high packet forwarding rate and an ample back plane bandwidth, making the transmission of images clear and smooth.
Having an IP40 rated aluminum enclosure, a rail base designed to withstand severe vibration, and good EMC electromagnetic compatibility, this series of product is capable of working stably and reliably in extreme-temperature (-40°C to 85°C) and rugged industrial environments.

Physical Ports
10/100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 4
100/1000Base-X SFP Ports: 2
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3z for 1000Base-X
MAC Table: 2048 MAC addresses
Power
Input power: Dual DC inputs. 9÷48VDC on 5-pin terminal block
Power consumption (typical): 6W
Physical Characteristic
Enclosure: IP-40
Dimension (W x D x H): 37mm x 85m x 116mm
Weight: 430g
Environmental
Storage Temperature: -40÷85°C (-40÷185°F)
Operating Temperature: -40÷85°C (-40÷185°F)

#06614

Net Price:
139,00 EUR
Unit: pcs

Unmanaged switch, 8x 10/100/1000 RJ-45 (ORing IGS-C1080)

Physical Ports
10/100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 8
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X),IEEE 802.3ab for 1000Base-T, IEEE 802.3x for Flow control
MAC Table: 4k MAC addresses
Processing: Store-and-Forward
Power
Input power: 12÷48VDC on 2-pin terminal block
Overload current protection: present
Reverse polarity protection: present
Physical Characteristic
Enclosure: IP-40
Dimension (W x D x H): 43,5mm x 64mm x 103mm
Environmental

#07669

Net Price:
97,20 EUR
Unit: pcs

Unmanaged industrial switch, 8x 100/1000 RJ-45+ 1x 1000 SFP (Wave Industrial WO-IS-M1GF8GT)

Physical Ports
100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 8
1000Base-FX SFP ports: 1
Technology
Ethernet Standards: IEEE 802.3u for 100Base-TX and 100Base-FX, IEEE 802.3ab for 1000Base-T, IEEE 802.3z for 1000Base-X
LED Indicators: power, RJ45 ports, SFP slot
Power: Dual DC inputs. 9÷48VDC on 4-pin terminal block
Power consumption (typical): 12W

Physical Characteristic
Enclosure: IP-40
Dimension (W x H x D): 48mm x 140mm x 116mm
Weight: 630g

Environmental
Storage Temperature: -40÷85°C

#06615

Net Price:
328,00 EUR
Unit: pcs

Unmanaged switch, 8x 10/1000 RJ-45 + 2x 1000 SFP (ORing IGS-182GP)

IGS-182GP is unmanaged Ethernet switch with 8x10/100/1000Base-T(X) with 2x100/1000Base-X ports. With very compact size of housing, you can install IGS-182GP easily. In addition, IGS-182GP is with rigid IP-30 housing design and can operate under harsh environment. The extended operating temperature range from -40 °C to 75°C is ready and can satisfy most requirement of operation.

Physical Ports
10/100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 8
100/1000Base-X SFP Ports: 2
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) and 100BaseFX,, IEEE 802.3z for 1000Base-X, IEEE 802.3x for Flow control
MAC Table: 8k
Processing: Store-and-Forward
Switch Properties: Switching latency 7 us, Switching bandwidth 20Gbps
Jumbo frame: 9216 Bytes
Packet buffer: 1.5Mbit
LED Indicators
Power indicator: Green - Power LED x 2
Fault indicator: Amber - Indicate power failed even warning

#08156

Net Price:
168,00 EUR
Unit: pcs

Unmanaged switch, 8x 10/1000 RJ-45, slim housing (ORing IGS-1080A)

IGS-1080A is the slim type unmanaged gigabit Ethernet switch with 8 x 10/100/1000Base-T(X) ports. IGS-1080A supports redundant power input, rigid IP-30 housing, plus DIP switches for enabling or disabling relay output alarm. In addition, the wide operating temperature range from -40°C to 70°C can satisfy most of operating environments.

Physical Ports
10/100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 8
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3ab for 1000Base-T, IEEE 802.3x for Flow control
MAC Table: 2048 MAC addresses
Processing: Store-and-Forward
LED Indicators
Power indicator: Green - Power LED x 2
Fault indicator: Amber - Indicate PWR1 or PWR2 failure
10/100/1000TX RJ45 port Indicator: Green on only for 1000Mbit, Green and Amber on for 100Mbit, Amber on only for 10Mbit

#07668

Net Price:
78,10 EUR
Unit: pcs

Managed industrial switch, 4x 100/1000 RJ-45, 2x 1000 SFP (Wave Industrial WO-IS-M2GF4GT-M)

Physical Ports
100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 4
1000Base-FX SFP ports: 2
Technology
Ethernet Standards: IEEE 802.3u for 100Base-TX and 100Base-FX, IEEE 802.3ab for 1000Base-T, IEEE 802.3z for 1000Base-X
LED Indicators: power, RJ45 ports (4), SFP slots (2)
Power: Dual DC inputs. 9÷48VDC on 4-pin terminal block
Power consumption (typical): 6.8W

Physical Characteristic
Enclosure: IP-40
Dimension (W x H x D): 33mm x 115mm x 85mm
Weight: 350g

Environmental
Storage Temperature: -40÷85°C

#07951

Net Price:
2 300,00 EUR
Unit: pcs

Managed modular switch, 16x 10/1000 RJ-45 + 4 slide-in SFP+ slots 10G, (ORing RGS-P9160GC-M1-HV)

RGS-P9160M1 series have three different models, RGS-P9160GCM1, RGS-P9160GFM1 and RGS-P9160FXM1. They are IEC 61850-3 and up to 24-port modular rack mount Gigabit managed redundant ring Ethernet switch with 16xGigabit combo / Gigabit fiber / 100Mbit fiber ports and provided 1 modular switch slot to extend switch function. The switch is designed for power substation application and rolling stock application, fully compliant with the requirement of IEC 61850-3 and IEEE 1613. RGS-P9160M1 series support Ethernet Redundancy protocol, O-Ring (recovery time < 30ms), O-Chain, *note MRP, Fast Recovery and MSTP (RSTP/STP compatible) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. RGS-P9160M1 series can also be managed centralized and convenient by Open-Vision, as well as the Web-based interface, Telnet and console (CLI) configuration. Therefore, the switch is one of the most reliable choice for highly-managed and Fiber Ethernet power substation application.

Physical Ports
Gigabit Combo Port with 10/100/1000Base-T(X) and 100/1000Base-X SFP Port: 16
Slot Number: 1 slot for 4x10G port
RS-232 Serial Console Port: RS-232 in DB-9 connector with console cable (115200bps 8 N 1)
Technology
Ethernet Standards: IEEE 802.3 for 10Base-T, IEEE 802.3u for 100Base-TX and 100Base-FX, IEEE 802.3ab for 1000Base-T, IEEE 802.z for 1000Base-X, IEEE 802.3x for Flow control, IEEE 802.3ad for LACP (Link Aggregation Control Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1s for MSTP (Multiple Spanning Tree Protocol), IEEE 802.1x for Authentication, IEEE 802.1AB for LLDP (Link Layer Discovery Protocol)

#08899

Net Price:
1 480,00 EUR
Unit: pcs

Managed modular switch, 24x SFP + 4 slide-in SFP+ slots 10G, O/Open-Ring <30ms (ORing RGS-P9000-HV)

RGS-9000 is modular managed redundant ring Ethernet switch with 4 slots. With completely support of Ethernet Redundancy protocol, O-Ring (recovery time < 30ms over 250 units of connection) and MSTP (RSTP/STP compatible) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. And support wide operating temperature from -40 oC to 85 oC (If use 10G SFP module then operating temperature is -20 oC ~ 60 oC). RGS-9000 can also be managed centralized and convenient by Open-Vision, Except the Web-based interface, Telnet and console (CLI) configuration. Therefore, the switch is one of the most reliable choice for highly-managed and Fiber Ethernet application.

Physical Ports
Slot Number: 4 (up to 3 slots for 8x1G port and 1 slot for 4x10G port)
RS-232 Serial Console Port: RS-232 in RJ45 connector with console cable (115200bps 8 N 1)
Technology
Ethernet Standards: IEEE 802.3 for 10Base-T, IEEE 802.3u for 100Base-TX and 100Base-FX, IEEE 802.3ab for 1000Base-T, IEEE 802.z for 1000Base-X, IEEE 802.3ae for 10Gigabit Ethernet, IEEE 802.3x for Flow control, IEEE 802.3ad for LACP (Link Aggregation Control Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1s for MSTP (Multiple Spanning Tree Protocol), IEEE 802.1x for Authentication, IEEE 802.1AB for LLDP (Link Layer Discovery Protocol)

#06507

Net Price:
1 750,00 EUR
Unit: pcs

Managed modular switch, L3, 24x SFP + 4 slide-in SFP+ slots 10G, O/Open-Ring <30ms (ORing RGS-PR9000-HV)

RGS-PR9000 is Layer-3 modular managed redundant ring Ethernet switch with 4 slots. The switch is designed for power substation application and rolling stock application, fully compliant with the requirement of IEC 61850-3 and IEEE 1613. With completely support of Ethernet Redundancy protocol, O-Ring (recovery time < 30ms over 250 units of connection) and MSTP (RSTP/STP compatible) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. And support wide operating temperature from -40 oC to 85 oC (If use 10G SFP module then operating temperature is -20°C ~ 60°C). RGS-PR9000 can also be managed centralized and convenient by Open-Vision, as well as the Web-based interface, Telnet and console (CLI) configuration. Therefore, the switch is one of the most reliable choice for highly-managed and Fiber Ethernet power substation and rolling stock application.

Physical Ports
Slot Number: 4 (up to 3 slots for 8x1G port and 1 slot for 4x10G port)
RS-232 Serial Console Port: RS-232 in RJ45 connector with console cable (115200bps 8 N 1)
Technology
Ethernet Standards: IEEE 802.3 for 10Base-T, IEEE 802.3u for 100Base-TX and 100Base-FX, IEEE 802.3ab for 1000Base-T, IEEE 802.z for 1000Base-X, IEEE 802.3ae for 10Gigabit Ethernet, IEEE 802.3x for Flow control, IEEE 802.3ad for LACP (Link Aggregation Control Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1s for MSTP (Multiple Spanning Tree Protocol), IEEE 802.1x for Authentication, IEEE 802.1AB for LLDP (Link Layer Discovery Protocol)

#08158

Net Price:
526,00 EUR
Unit: pcs

Managed switch, 3x 10/1000 RJ-45 + 2x1000 SFP w/DDM, O/Open-Ring <20ms (ORing IGS-3032GC)

IGS-3032GC is a full gigabit managed Redundant Ring Ethernet switch with 3x10/100/1000Base-T(X) and 2xGigabit combo ports. With complete support of Ethernet Redundancy protocol, O-Ring (recovery time < 20ms over 250 units of connection), Open-Ring, O-RSTP and MSTP/RSTP/STP (IEEE 802.1s/w/D) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology.
IGS-3032GC can be managed centralized and convenient by a powerful windows utility - Open-Vision.
The redundant DC power inputs guarantee a non-stop operation. The backup power input will take over immediately when the primary DC power input fails.

Physical Ports
10/100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 3
1000 Mbps SFP Ports: 2
RS-232 Serial Console Port: RS-232 in RJ45 connector with console cable (9600bps 8 N 1)
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) and 100BaseFX, IEEE 802.3z for 1000Base-X, IEEE 802.3ab for 1000Base-T, IEEE 802.3x for Flow control, IEEE 802.3ad for LACP (Link Aggregation Control Protocol), IEEE 802.1D for STP (Spanning Tree Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1x for Authentication, IEEE 802.1AB for LLDP (Link Layer Discovery Protocol)

#07901

Net Price:
Call
Unit: pcs

Managed switch, 8x 10/1000 RJ-45 + 12x100/1000 SFP w/DDM, O/Open-Ring <20ms (ORing IGS-P9812GP-HV)

IGS-P9812GP is IEC 61850-3 managed redundant ring Ethernet switch with 8x10/100/1000Base-T(X) ports and 12x100/1000Base-X SFP ports. The switch is designed for power substation application and rolling stock application, fully compliant with the requirement of IEC 61850-3 and IEEE 1613. And the switch designed for the toughest and fully compliant with EN50155 requirement. With completely support of Ethernet Redundancy protocol, O-Ring (recovery time < 30ms over 250 units of connection) and MSTP (RSTP/STP compatible) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. And support wide operating temperature from -40°C to 75°C.
IGS-P9812GP can also be managed centralized and convenient by Open-Vision, Except the Web-based interface, Telnet and console (CLI) configuration. Therefore, the switch is one of the most reliable choice for highly-managed and Fiber Ethernet power substation and rolling stock application.

Physical Ports
10/100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 8
100/1000Base-X SFP Port: 12
RS-232 Serial Console Port: RS-232 in RJ45 connector with console cable (115200bps 8 N 1)
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) and 100BaseFX, IEEE 802.3z for 1000Base-X, IEEE 802.3ab for 1000Base-T, IEEE 802.3x for Flow control, IEEE 802.3ad for LACP (Link Aggregation Control Protocol), IEEE 802.1D for STP (Spanning Tree Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1x for Authentication, IEEE 802.1AB for LLDP (Link Layer Discovery Protocol)

#07655

Net Price:
1 020,00 EUR
Unit: pcs

Managed switch, 8x 10/1000 RJ-45 + 12x100/1000 SFP w/DDM, O/Open-Ring <30ms (ORing IGS-9812GP)

IGS-9812GP is managed redundant ring Ethernet switch with 8x10/100/1000Base-T(X) ports and 12x100/1000Base-X SFP ports. With completely support of Ethernet Redundancy protocol, O-Ring (recovery time < 30ms over 250 units of connection) and MSTP (RSTP/STP compatible) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. And support wide operating temperature from -40 oC to 70 oC.
IGS-9812GP can also be managed centralized and convenient by Open-Vision, Except the Web-based interface, Telnet and console (CLI) configuration. Therefore, the switch is one of the most reliable choice for highly-managed and Fiber Ethernet power substation and rolling stock application.

Physical Ports
10/100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 8
100/1000 Mbps SFP Ports: 12
RS-232 Serial Console Port: RS-232 in RJ45 connector with console cable (115200bps 8 N 1)
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) and 100BaseFX, IEEE 802.3z for 1000Base-X, IEEE 802.3ab for 1000Base-T, IEEE 802.3x for Flow control, IEEE 802.3ad for LACP (Link Aggregation Control Protocol), IEEE 802.1D for STP (Spanning Tree Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1x for Authentication, IEEE 802.1AB for LLDP (Link Layer Discovery Protocol)

#06568

Net Price:
519,00 EUR
Unit: pcs

Managed switch, 8x 10/1000 RJ-45 + 2x100/1G/2.5G SFP, O/Open-Ring <30ms (ORing IGS-C9082GP)

IGS-C9082GP Series are managed redundant ring Ethernet switch with up to 8x10/100/1000 Base-T(X) ports and 2x100/1G/2.5G Base-X, SFP socket which is specifically designed for the toughest. IGS-C9082GP Series support wide operating temperature from -40°C to 75°C which can fulfill most of the requirement of operation environment. Therefore, the IGS-C9082GP Series switch is one of the most reliable choices for highly-managed Ethernet application.

Physical Ports
10/100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 8
100/1G/2.5GBase-X, SFP socket: 2
RS-232 Serial Console Port: RS-232 in RJ45 connector with console cable (115200bps 8 N 1)
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) and 100BaseFX, IEEE 802.3z for 1000Base-X, IEEE 802.3ab for 1000Base-T, IEEE 802.3x for Flow control, IEEE 802.3ad for LACP (Link Aggregation Control Protocol), IEEE 802.1D for STP (Spanning Tree Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1x for Authentication, IEEE 802.1AB for LLDP (Link Layer Discovery Protocol)

#07909

Net Price:
972,00 EUR
Unit: pcs

Managed switch, 8x 10/1000 RJ-45 + 4x100/1000 SFP w/DDM, O/Open-Ring <30ms (ORing IGS-9084GP)

IGS-9084GP is managed redundant ring Ethernet switch with 8x10/100/1000Base-T(X) ports and 4x100/1000Base-X SFP ports. The switch is designed for Railway application and fully compliant with the requirement of EN50155/EN50121-4 standard. With completely support of Ethernet Redundancy protocol, O-Ring (recovery time < 30ms over 250 units of connection) and MSTP (RSTP/STP compatible) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. And support wide operating temperature from -40°C to 75°C. IGS-9084GP can also be managed centralized and convenient by Open-Vision, Except the Web-based interface, Telnet and console (CLI) configuration. In addition, with its rugged design for railway certification, i.e., EN50155/EN50121-4 standard, make IGS-9084GP to be solid and reliable for railway traffic communication and transportation application. Therefore, the switch is one of the most reliable choice for highly-managed and Fiber Ethernet application.

Physical Ports
10/100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 8
100/1000 Mbps SFP Ports: 4
RS-232 Serial Console Port: RS-232 in RJ45 connector with console cable (115200bps 8 N 1)
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) and 100BaseFX, IEEE 802.3z for 1000Base-X, IEEE 802.3ab for 1000Base-T, IEEE 802.3x for Flow control, IEEE 802.3ad for LACP (Link Aggregation Control Protocol), IEEE 802.1D for STP (Spanning Tree Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1x for Authentication, IEEE 802.1AB for LLDP (Link Layer Discovery Protocol)

#06540

Net Price:
556,00 EUR
Unit: pcs

Managed switch, 8x 10/1000 RJ-45, O/Open-Ring <20ms, L2 (ORing IGS-9080-LA-PN)

IGS-9080-LA-PN is layer2 managed Ethernet switch with 8x 10/100/1000Base-T(X) ports, which is designed for various industrial applications, including manufacturing, process automation, transportation, and energy industries. The PROFINET certification of this product line ensures its compliance with rigorous industry standards and seamless communication compatibility with PROFINET systems. The switch support Ethernet redundancy protocol, O-Ring (recovery time < 30ms) and MSTP (RSTP/STP compatible) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. And support wide operating temperature from -40oC to 75oC. IGS-9080-LA-PN can also be managed centralized and convenient by Open-Vision, except the web-based interface, Telnet and console (CLI) configuration.

Physical Ports
10/100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 8
RS-232 Serial Console Port: RS-232 in RJ45 connector with console cable (115200bps 8 N 1)
Technology
Ethernet Standards: IEEE 802.3 for 10Base-T, IEEE 802.3u for 100Base-TX, IEEE 802.3ab for 1000Base-T, IEEE 802.3x for Flow control, IEEE 802.3ad for LACP (Link Aggregation Control Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1Q-2014 MSTP (compatible with STP/RSTP), IEEE 802.1x for Authentication, IEEE 802.1AB for LLDP (Link Layer Discovery Protocol)

#07912

Net Price:
981,00 EUR
Unit: pcs

Managed switch, 12x 10/1000 RJ-45 + 2x100/1000 SFP w/DDM, O/Open-Ring <30ms (ORing IGS-9042GP)

ORing's managed Ethernet switches are designed for industrial applications, such as rolling stock and vehicle applications. IGS-9122GP is managed redundant ring Ethernet switch with 12x10/100/1000Base-T(X) copper ports and 2x100/1000Base-X SFP ports. With completely support of Ethernet Redundancy protocol, O-Ring (recovery time < 30ms over 250 units of connection) ,Open-Ring ,O-Chain,MRP and MSTP (RSTP/STP compatible) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. And support wide operating temperature from -40°C to 75°C. IGS-9122GP can also be managed centralized and convenient by Open-Vision, Except the Web-based interface, Telnet and console (CLI) configuration. Therefore, the switch is one of the most reliable choices for rolling stock and highly-managed Ethernet application.

Physical Ports
10/100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 12
100/1000 Mbps SFP Ports: 2
RS-232 Serial Console Port: RS-232 in RJ45 connector with console cable (115200bps 8 N 1)
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) and 100BaseFX, IEEE 802.3z for 1000Base-X, IEEE 802.3ab for 1000Base-T, IEEE 802.3x for Flow control, IEEE 802.3ad for LACP (Link Aggregation Control Protocol), IEEE 802.1D for STP (Spanning Tree Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1x for Authentication, IEEE 802.1AB for LLDP (Link Layer Discovery Protocol)

#06515

Net Price:
1 790,00 EUR
Unit: pcs

Managed switch, 16x 10/100/1000 COMBO Ports with SFP + 8 slide-in SFP slots, O/Open-Ring <30ms (ORing RGS-9168GCP-E-EU)

RGS-9168GCP series are Gigabit managed redundant ring Ethernet switch with 16xGigabit combo ports and 8x100/1000Base-X, SFP socket. These switches support Ethernet Redundancy protocol, O-Ring (recovery time < 30ms over 250 units of connection) and MSTP (RSTP/STP compatible) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. And RGS-9168GCP series support wide operating temperature from -40 oC to 75 oC. RGS-9168GCP series can also be managed centralized and convenient by Open-Vision, Except the Web-based interface, Telnet and console (CLI) configuration. Therefore, the switch is one of the most reliable choice for highly-managed and Fiber Ethernet application.

Physical Ports
Gigabit Combo port with 10/100/1000Base-T(X) and 100/1000Base-X SFP ports: 16
100/1000Base-X with SFP ports: 8
RS-232 Serial Console Port: RS-232 in DB-9 connector with console cable. 115200bps, 8, N, 1
Technology
Ethernet Standards: IEEE 802.3 for 10Base-T, IEEE 802.3u for 100Base-TX and 100Base-FX, IEEE 802.3ab for 1000Base-T, IEEE 802.z for 1000Base-X, IEEE 802.3ae for 10Gigabit Ethernet, IEEE 802.3x for Flow control, IEEE 802.3ad for LACP (Link Aggregation Control Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1s for MSTP (Multiple Spanning Tree Protocol), IEEE 802.1x for Authentication, IEEE 802.1AB for LLDP (Link Layer Discovery Protocol)

#06514

Net Price:
1 470,00 EUR
Unit: pcs

Managed switch, 16x 10/100/1000 COMBO Ports with SFP + 8 slide-in SFP slots, O/Open-Ring <30ms (ORing RGS-9168GCP-EU)

RGS-9168GCP series are Gigabit managed redundant ring Ethernet switch with 16xGigabit combo ports and 8x100/1000Base-X, SFP socket. These switches support Ethernet Redundancy protocol, O-Ring (recovery time < 30ms over 250 units of connection) and MSTP (RSTP/STP compatible) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. And RGS-9168GCP series support wide operating temperature from -40 oC to 75 oC. RGS-9168GCP series can also be managed centralized and convenient by Open-Vision, Except the Web-based interface, Telnet and console (CLI) configuration. Therefore, the switch is one of the most reliable choice for highly-managed and Fiber Ethernet application.

Physical Ports
Gigabit Combo port with 10/100/1000Base-T(X) and 100/1000Base-X SFP ports: 16
100/1000Base-X with SFP ports: 8
RS-232 Serial Console Port: RS-232 in DB-9 connector with console cable. 115200bps, 8, N, 1
Technology
Ethernet Standards: IEEE 802.3 for 10Base-T, IEEE 802.3u for 100Base-TX and 100Base-FX, IEEE 802.3ab for 1000Base-T, IEEE 802.z for 1000Base-X, IEEE 802.3ae for 10Gigabit Ethernet, IEEE 802.3x for Flow control, IEEE 802.3ad for LACP (Link Aggregation Control Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1s for MSTP (Multiple Spanning Tree Protocol), IEEE 802.1x for Authentication, IEEE 802.1AB for LLDP (Link Layer Discovery Protocol)

#07900

Net Price:
1 160,00 EUR
Unit: pcs

Managed switch, 16x 10/1000 RJ-45 + 4x100/1000 SFP w/DDM, O/Open-Ring <20ms (ORing IGS-P9164GC-HV)

IGS-P9164 series are IEC 61850-3 managed redundant ring Ethernet switches. These switches are designed for power substation application and rolling stock application, fully compliant with the requirement of IEC 61850-3 and IEEE 1613. IGS-P9164GF series are IEC 61850-3 managed redundant ring Ethernet switch with 16x10/100/1000Base-T(X) ports and 4x1000Base-X optical fiber port with SC connector. IGS-P9164GFX series are IEC 61850-3 managed redundant ring Ethernet switch with 16x10/100/1000Base-T(X) ports and 4x100Base-FX optical fiber port with SC connector. IGS-P9164GC series are IEC 61850-3 managed redundant ring Ethernet switch with 16x10/100/1000Base-T(X) ports and 4xGigabit combo ports with SFP socket. With completely support of Ethernet Redundancy protocol, O-Ring (recovery time < 30ms over 250 units of connection) and MSTP (RSTP/STP compatible) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. And support wide operating temperature from -40°C to 75°C. IGS-P9164GF(X) series can also be managed centralized and convenient by Open-Vision, Except the Web-based interface, Telnet and console (CLI) configuration. Therefore, the switch is one of the most reliable choice for highly-managed and Fiber Ethernet application.

Physical Ports
10/100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 16
Gigabit Combo Port with 10/100/1000Base-T(X) and 100/1000Base-X SFP Port: 4
RS-232 Serial Console Port: RS-232 in RJ45 connector with console cable (115200bps 8 N 1)
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) and 100BaseFX, IEEE 802.3z for 1000Base-X, IEEE 802.3ab for 1000Base-T, IEEE 802.3x for Flow control, IEEE 802.3ad for LACP (Link Aggregation Control Protocol), IEEE 802.1D for STP (Spanning Tree Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1x for Authentication, IEEE 802.1AB for LLDP (Link Layer Discovery Protocol)

#07904

Net Price:
1 130,00 EUR
Unit: pcs

Managed switch, 16x 10/1000 RJ-45 + 8x100/1000 SFP w/DDM, O/Open-Ring <30ms (ORing IGS-9168GP)

IGS-9168GP is managed redundant ring Ethernet switch with 16x10/100/1000Base-T(X) ports and 8x100/1000Base-X SFP ports. With completely support of Ethernet Redundancy protocol, O-Ring (recovery time < 30ms over 250 units of connection) and MSTP (RSTP/STP compatible) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. And support wide operating temperature from -40 to 75°C. IGS-9168GP can also be managed centralized and convenient by Open-Vision, Except the Web-based interface, Telnet and console (CLI) configuration. Therefore, the switch is one of the most reliable choice for highly-managed and Fiber Ethernet application.

Physical Ports
10/100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 16
100/1000 Mbps SFP Ports: 8
RS-232 Serial Console Port: RS-232 in RJ45 connector with console cable (115200bps 8 N 1)
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) and 100BaseFX, IEEE 802.3z for 1000Base-X, IEEE 802.3ab for 1000Base-T, IEEE 802.3x for Flow control, IEEE 802.3ad for LACP (Link Aggregation Control Protocol), IEEE 802.1D for STP (Spanning Tree Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1x for Authentication, IEEE 802.1AB for LLDP (Link Layer Discovery Protocol)

#06627

Net Price:
1 060,00 EUR
Unit: pcs

Managed switch, 22x 10/1000 RJ-45 + 2x 10/100/1000 COMBO Ports with SFP + 2 slide-in SFP slots, O/Open-Ring <30ms (ORing RGS-92222GCP-NP)

RGS-92222GCP-NP series are Gigabit managed redundant ring Ethernet switch with 22x10/100/1000Base-T(X) copper ports and 2xGigabit combo ports and 2x100/1000Base-X SFP ports. These switches support Ethernet Redundancy protocol, O-Ring (recovery time < 30ms over 250 units of connection), Open-Ring, O-Chain, MRP, Fast Recovery and MSTP (RSTP/STP compatible) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. RGS-92222GCP-NP series can also be managed centralized and convenient by Open-Vision, Except the Web-based interface, Telnet and console (CLI) configuration. Therefore, the switch is one of the most reliable choice for highly-managed and Fiber Ethernet application.

Physical Ports
10/100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 22
Gigabit Combo port with 10/100/1000Base-T(X) and 100/1000Base-X SFP ports: 2
100/1000Base-X with SFP ports: 2
RS-232 Serial Console Port: RS-232 in DB-9 connector with console cable. 115200bps, 8, N, 1
Technology
Ethernet Standards: IEEE 802.3 for 10Base-T, IEEE 802.3u for 100Base-TX and 100Base-FX, IEEE 802.3ab for 1000Base-T, IEEE 802.z for 1000Base-X, IEEE 802.3ae for 10Gigabit Ethernet, IEEE 802.3x for Flow control, IEEE 802.3ad for LACP (Link Aggregation Control Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1s for MSTP (Multiple Spanning Tree Protocol), IEEE 802.1x for Authentication, IEEE 802.1AB for LLDP (Link Layer Discovery Protocol)

#07919

Net Price:
1 400,00 EUR
Unit: pcs

Managed switch, 22x 10/1000 RJ-45 + 2x 10/100/1000 COMBO Ports with SFP + 2 slide-in SFP slots, O/Open-Ring <30ms (ORing RGS-92222GCP-NP-E)

RGS-92222GCP-NP series are Gigabit managed redundant ring Ethernet switch with 22x10/100/1000Base-T(X) copper ports and 2xGigabit combo ports and 2x100/1000Base-X SFP ports. These switches support Ethernet Redundancy protocol, O-Ring (recovery time < 30ms over 250 units of connection), Open-Ring, O-Chain, MRP, Fast Recovery and MSTP (RSTP/STP compatible) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. RGS-92222GCP-NP series can also be managed centralized and convenient by Open-Vision, Except the Web-based interface, Telnet and console (CLI) configuration. Therefore, the switch is one of the most reliable choice for highly-managed and Fiber Ethernet application.

Physical Ports
10/100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 22
Gigabit Combo port with 10/100/1000Base-T(X) and 100/1000Base-X SFP ports: 2
100/1000Base-X with SFP ports: 2
RS-232 Serial Console Port: RS-232 in DB-9 connector with console cable. 115200bps, 8, N, 1
Technology
Ethernet Standards: IEEE 802.3 for 10Base-T, IEEE 802.3u for 100Base-TX and 100Base-FX, IEEE 802.3ab for 1000Base-T, IEEE 802.z for 1000Base-X, IEEE 802.3ae for 10Gigabit Ethernet, IEEE 802.3x for Flow control, IEEE 802.3ad for LACP (Link Aggregation Control Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1s for MSTP (Multiple Spanning Tree Protocol), IEEE 802.1x for Authentication, IEEE 802.1AB for LLDP (Link Layer Discovery Protocol)

#07918

Net Price:
1 720,00 EUR
Unit: pcs

Managed switch, 24x 10/1000 RJ-45 + 4 1G/10G SFP+ slots, O/Open-Ring <30ms (ORing RGS-R9244GP+)

RGS-R9244GP+ series are Layer-3 Gigabit managed redundant ring Ethernet switch with 24x10/100/1000Base-T(X) ports and 4x1G/10GBase-X SFP+ ports. These switches support Layer-3 function like RIP and static routing. Also RGS-R9244GP+ series support Ethernet Redundancy protocol, O-Ring (recovery time < 30ms over 250 units of connection) /Open-Ring/O-Chain/MRP/Fast Recovery and MSTP (RSTP/STP compatible) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. RGS-R9244GP+ series support wide operating temperature from -20°C to 60°C. RGS-R9244GP+ series can also be managed centralized and convenient by Open-Vision as well as the Web-based interface, Telnet and console (CLI) configuration. Therefore, the switch is one of the most reliable choice for highly-managed and Fiber Ethernet application.

Physical Ports
10/100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 24
1G/10GBase-X with SFP+ port: 4
RS-232 Serial Console Port: RS-232 in RJ45 connector with console cable (115200bps 8 N 1)
Technology
Ethernet Standards: IEEE 802.3 for 10Base-T, IEEE 802.3u for 100Base-TX and 100Base-FX, IEEE 802.3ab for 1000Base-T, IEEE 802.z for 1000Base-X, IEEE 802.3ae for 10Gigabit Ethernet, IEEE 802.3x for Flow control, IEEE 802.3ad for LACP (Link Aggregation Control Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1s for MSTP (Multiple Spanning Tree Protocol), IEEE 802.1x for Authentication, IEEE 802.1AB for LLDP (Link Layer Discovery Protocol)

#06628

Net Price:
1 290,00 EUR
Unit: pcs

Managed switch, 24x 10/1000 RJ-45 + 4 slide-in SFP slots, O-Ring <30ms (ORing RGS-9244GP)

RGS-9244GP series are Gigabit managed redundant ring Ethernet switch with 24x10/100/1000Base-T(X) ports and 4x100/1000Base-X SFP ports. These switches support Ethernet Redundancy protocol, O-Ring (recovery time < 30ms) and MSTP (RSTP/STP compatible) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. And RGS-9244GP series support wide operating temperature from -40 oC to 75 oC. RGS-9244GP series can also be managed centralized and convenient by Open-Vision, as well as the Web-based interface, Telnet and console (CLI) configuration. Therefore, the switch is one of the most reliable choice for highly-managed and Fiber Ethernet application.

Physical Ports
10/100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 24
100/1000Base-X with SFP ports: 4
RS-232 Serial Console Port: RS-232 in DB-9 connector with console cable. 115200bps, 8, N, 1
Technology
Ethernet Standards: IEEE 802.3 for 10Base-T, IEEE 802.3u for 100Base-TX and 100Base-FX, IEEE 802.3ab for 1000Base-T, IEEE 802.z for 1000Base-X, IEEE 802.3ae for 10Gigabit Ethernet, IEEE 802.3x for Flow control, IEEE 802.3ad for LACP (Link Aggregation Control Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1s for MSTP (Multiple Spanning Tree Protocol), IEEE 802.1x for Authentication, IEEE 802.1AB for LLDP (Link Layer Discovery Protocol)

#07631

Net Price:
144,00 EUR
Unit: pcs

Managed switch, 24x 10/100Base-T(X) RJ45 Ports + 2x 10/100/1000 COMBO Ports with SFP, O/Open-Ring <10ms (ORing RES-3242GC-EU)

RES-3242GC series is 26-port rack-mount managed Redundant Ring Ethernet switch with 24x10/100Base-T(X) and 2xGigabit Combo ports, SFP socket. With complete support of Ethernet Redundancy protocol, O-Ring (recovery time < 10ms over 250 units of connection), Open-Ring and MSTP/RSTP/STP (IEEE 802.1s/w/D) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. RES-3242GC series can be managed centralized and convenient by a powerful windows utility - Open-Vision. RES-3242GC series also supports functions of network management, such as SNMP, RMON, Port Trunking, and Port/Tag-based VLAN security. RES-3242GC-E model support one full-range AC and dual DC power inputs from +12~48 VDC or -12~-48 VDC, and support extend operating temperature from -40 to 70°C. One additional relay output is provided for system alarm warning, Therefore, RES-3242GC series is one of the most reliable choice for highly-managed and Fiber Ethernet application.

Physical Ports
10/100Base-T(X) RJ45 Ports: 24
10/100/1000 COMBO with SFP: 2
RS-232 Serial Console Port: RS-232 in RJ45 connector with console cable (9600bps 8 N 1)
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3x for Flow control, IEEE 802.1D for STP (Spanning Tree Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1X for Authentication, IEEE 802.3ad for LACP (Link Aggregation Control Protocol)

#06601

Net Price:
358,00 EUR
Unit: pcs

Managed switch, 4x 10/1000 RJ-45 + 2x100/1G/2.5G SFP, O/Open-Ring <30ms (ORing IGS-C3042GP)

IGS-C3042GP Series are managed redundant ring Ethernet switch with up to 8x10/100/1000 Base-T(X) ports and 2x100/1G/2.5G Base-X, SFP socket which is specifically designed for the toughest. IGS-C3042GP Series support wide operating temperature from -40°C to 75°C which can fulfill most of the requirement of operation environment. Therefore, the IGS-C3042GP Series switch is one of the most reliable choices for highly-managed Ethernet application.

Physical Ports
10/100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 4
100/1G/2.5GBase-X, SFP socket: 2
RS-232 Serial Console Port: RS-232 in RJ45 connector with console cable (115200bps 8 N 1)
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) and 100BaseFX, IEEE 802.3z for 1000Base-X, IEEE 802.3ab for 1000Base-T, IEEE 802.3x for Flow control, IEEE 802.3ad for LACP (Link Aggregation Control Protocol), IEEE 802.1D for STP (Spanning Tree Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1x for Authentication, IEEE 802.1AB for LLDP (Link Layer Discovery Protocol)

#06569

Net Price:
460,00 EUR
Unit: pcs

Managed switch, 4x 10/1000 RJ-45 + 2x100/1G/2.5G SFP, O/Open-Ring <30ms (ORing IGS-C9042GP)

IGS-C9042GP Series are managed redundant ring Ethernet switch with up to 8x10/100/1000 Base-T(X) ports and 2x100/1G/2.5G Base-X, SFP socket which is specifically designed for the toughest. IGS-C3042GP Series support wide operating temperature from -40°C to 75°C which can fulfill most of the requirement of operation environment. Therefore, the IGS-C3042GP Series switch is one of the most reliable choices for highly-managed Ethernet application.

Physical Ports
10/100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 4
100/1G/2.5GBase-X, SFP socket: 2
RS-232 Serial Console Port: RS-232 in RJ45 connector with console cable (115200bps 8 N 1)
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) and 100BaseFX, IEEE 802.3z for 1000Base-X, IEEE 802.3ab for 1000Base-T, IEEE 802.3x for Flow control, IEEE 802.3ad for LACP (Link Aggregation Control Protocol), IEEE 802.1D for STP (Spanning Tree Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1x for Authentication, IEEE 802.1AB for LLDP (Link Layer Discovery Protocol)

#06604

Net Price:
409,00 EUR
Unit: pcs

Managed switch, 8x 10/1000 RJ-45 + 2x100/1G/2.5G SFP, O/Open-Ring <30ms (ORing IGS-C3082GP)

IGS-C3082GP Series are managed redundant ring Ethernet switch with up to 8x10/100/1000 Base-T(X) ports and 2x100/1G/2.5G Base-X, SFP socket which is specifically designed for the toughest. IGS-C3082GP Series support wide operating temperature from -40°C to 75°C which can fulfill most of the requirement of operation environment. Therefore, the IGS-C3082GP Series switch is one of the most reliable choices for highly-managed Ethernet application.

Physical Ports
10/100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 8
100/1G/2.5GBase-X, SFP socket: 2
RS-232 Serial Console Port: RS-232 in RJ45 connector with console cable (115200bps 8 N 1)
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) and 100BaseFX, IEEE 802.3z for 1000Base-X, IEEE 802.3ab for 1000Base-T, IEEE 802.3x for Flow control, IEEE 802.3ad for LACP (Link Aggregation Control Protocol), IEEE 802.1D for STP (Spanning Tree Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1x for Authentication, IEEE 802.1AB for LLDP (Link Layer Discovery Protocol)

#06616

Net Price:
1 020,00 EUR
Unit: pcs

Managed switch, 8x 10/1000 RJ-45 + 2x100/2,5G SFP + 2x1G/10G SFP, O/Open-Ring <30ms (ORing IGS-9822DGP+)

IGS-9822DGP+ is managed Gigabit Ethernet switch with 8x10/100/1000Base-T(X) ports and 2x 100/1G/2.5GBase-X + 2x 1G/10GBase-X SFP ports. The switch support Ethernet Redundancy protocol, O-Ring (recovery time < 30ms) and MSTP (RSTP/STP compatible) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. And support wide operating temperature from -40 °C to 75 °C. IGS-9822DGP+ can also be managed centralized and convenient by Open-Vision, Except the Web-based interface, Telnet and console (CLI) configuration. Therefore, the switch is one of the most reliable choice for highly-managed and Fiber Ethernet application.

Physical Ports
10/100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 8
100/1G/2.5G SFP Ports: 2
1G/10G SFP Ports: 2
RS-232 Serial Console Port: RS-232 in RJ45 connector with console cable (115200bps 8 N 1)
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) and 100BaseFX, IEEE 802.3z for 1000Base-X, IEEE 802.3ab for 1000Base-T, IEEE 802.3x for Flow control, IEEE 802.3ad for LACP (Link Aggregation Control Protocol), IEEE 802.1D for STP (Spanning Tree Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1x for Authentication, IEEE 802.1AB for LLDP (Link Layer Discovery Protocol)

#06511

Net Price:
581,00 EUR
Unit: pcs

Managed switch, 8x 10/1000 RJ-45 + 4 slide-in SFP slots, O/Open-Ring <20ms, slim housing (ORing IGS-9084GP-LA)

IGS-9084GP-LA is slim type managed Ethernet switch with 8x10/100/1000Base-T(X) ports and 4x100/1000Base-X SFP ports.
With completely support of Ethernet Redundancy protocol, O-Ring (recovery time < 30ms over 250 units of connection) and MSTP (RSTP/STP compatible) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. And support wide operating temperature from -40 °C to 75 °C.
IGS-9084GP-LA can also be managed centralized and convenient by Open-Vision, Except the Web-based interface, Telnet and console (CLI) configuration. Therefore, the switch is one of the most reliable choice for highly-managed and Fiber Ethernet application.

Physical Ports
10/100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 8
100/1000 SFP: 4
RS-232 Serial Console Port: RS-232 in RJ45 connector with console cable (115200bps 8 N 1)
Technology
Ethernet Standards: IEEE 802.3 for 10Base-T, IEEE 802.3u for 100Base-TX and 100Base-FX, IEEE 802.3ab for 1000Base-T, IEEE 802.z for 1000Base-X, IEEE 802.3x for Flow control, IEEE 802.3ad for LACP (Link Aggregation Control Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1D for STP (Spanning Tree Protocol), IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1s for MSTP (Multiple Spanning Tree Protocol), IEEE 802.1x for Authentication, IEEE 802.1AB for LLDP (Link Layer Discovery Protocol)

#07903

Net Price:
1 480,00 EUR
Unit: pcs

Managed switch, L3, 8x 10/1000 RJ-45 + 12x100/1000 SFP w/DDM, O/Open-Ring <30ms (ORing IGS-R9812GP)

IGS-R9812GP is Layer-3 managed redundant ring Ethernet switch with 8x10/100/1000Base-T(X) ports and 12x100/1000Base-X SFP ports. The IGPSR9812GP supports Layer-3 routing for better network performance on large-scale LANs into multiple subnets to support long-haul and EMI immunity communications. The hardware Layer-3 switch is optimized to transmit data as fast as Layer-2 switches. With completely support of Ethernet Redundancy protocol, O-Ring (recovery time < 30ms over 250 units of connection) and MSTP (RSTP/STP compatible) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. And support wide operating temperature from -40 to 75°C. IGSR9812GP can also be managed centralized and convenient by Open-Vision, as well as the Web-based interface, Telnet and console (CLI) configuration. Therefore, the switch is one of the most reliable choice for highly-managed and Fiber Ethernet power substation and rolling stock application.

Physical Ports
10/100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 8
100/1000 Mbps SFP Ports: 12
RS-232 Serial Console Port: RS-232 in RJ45 connector with console cable (115200bps 8 N 1)
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) and 100BaseFX, IEEE 802.3z for 1000Base-X, IEEE 802.3ab for 1000Base-T, IEEE 802.3x for Flow control, IEEE 802.3ad for LACP (Link Aggregation Control Protocol), IEEE 802.1D for STP (Spanning Tree Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1x for Authentication, IEEE 802.1AB for LLDP (Link Layer Discovery Protocol)

#06619

Net Price:
2 080,00 EUR
Unit: pcs

Managed switch, L3, 16x 10/1000 RJ-45 + 4x1G/2.5G/10G SFP+, O/Open-Ring <30ms (ORing IGS-RX164GP+)

IGS-RX164GP+ advanced Layer 3 managed redundant ring Ethernet switch with 16x10/100/1000Base-T(X) ports and 4x10GBase-X SFP ports. The IGS-RX164GP+ supports routing protocols such as static routing, RIP v1/v2, OSPF and PIM which are suitable for large scale network environment. The hardware Layer 3 switch is optimized to transmit data as fast as Layer-2 switches. With completely support of Ethernet Redundancy protocol, O-Ring (recovery time < 30ms) and MSTP (RSTP/STP compatible) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. And support wide operating temperature from -40°C to 60°C. IGS-RX164GP+ can also be managed centralized and convenient by Open-Vision, as well as the Web-based interface, Telnet and console (CLI) configuration. Therefore, the switch is one of the most reliable choice for highly-managed and Fiber Ethernet application.

Physical Ports
10/100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 16
1G/2.5G/10 SFP+ Ports: 4
RS-232 Serial Console Port: RS-232 in RJ45 connector with console cable (115200bps 8 N 1)
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) and 100BaseFX, IEEE 802.3z for 1000Base-X, IEEE 802.3ab for 1000Base-T, IEEE 802.3x for Flow control, IEEE 802.3ad for LACP (Link Aggregation Control Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1x for Authentication, IEEE 802.1AB for LLDP (Link Layer Discovery Protocol)

#07998

Net Price:
540,00 EUR
Unit: pcs

Unmanaged SPE switch, 4x 10 T1L + 1x 100 RJ-45 (ORing ITPS-141TX-T1L)

ITPS-141TX-T1L is an ideal solution for factory, process automation infrastructure. The new single pair Ethernet technology can be integrated easily into an existing Ethernet infrastructure to simplify layout and also reduce the cost of cabling.

- Supports SPE (Single Paire Ethernet) 10Base-T1L compliant with IEEE 802.3cg standard
- Long distances point to point transmission up to 1000m
- Supports SCCP PoDL(Power over Data Line) PSE Types compliant with IEEE 802.3bu standard
- PoDL up to 50 Watts/1A per port
- Supports PoDL legacy mode
- Supports wide range 20~30VDC power input
- Supports QoS and flow control
- Rugged IP-30 housing design

Physical Ports
10Base-T1L with PoDL: 4
10/100Base-T(X) Port in RJ45 Auto MDI/MDIX: 1
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3x for Flow control, IEEE 802.3cg for 10Base-T1L
IEEE 802.3bu for PoDL
MAC Table: 1K MAC addresses
Processing: Store-and-Forward
LED Indicators
Power indicator: Green - Power LED
10Base-T1L (PoDL) indicator: Green for port Link/Act, Amber for PoDL PD device is connected
10/100Base-T(X) RJ45 port indicator: Green for port Link/Act., Amber for 10Mbps/ Green for 100Mbps indicator

#07950

Net Price:
651,00 EUR
Unit: pcs

4x10G module, SFP+ (ORing SWM-04GP+_4)

Industrial 4-port Gigabit fiber module with 4x10G, SFP+ socket

#07963

Net Price:
247,00 EUR
Unit: pcs

4x1G module, SFP (ORing SWM-04GP_4)

Industrial 4-port Gigabit fiber module with 4x1G, SFP socket

#08898

Net Price:
363,00 EUR
Unit: pcs

8x1G module, RJ-45 (ORing SWM-80GT)

Physical Ports
Industrial 8-port Gigabit Ethernet switch module with 8x10/100/1000Base-T(X) ports

#08897

Net Price:
316,00 EUR
Unit: pcs

8x1G module, SFP (ORing SWM-08GP)

Industrial 8-port Gigabit fiber module with 8x100/1000Base-X, SFP socket

#07965

Net Price:
600,00 EUR
Unit: pcs

Bypass Switch, 4x LC Duplex (ORing IBS-102FX-MM-LC)

IBS-102FX series are the external Bypass switches for 100M/1G/10G fiber optical networks. These fiber optical bypass switches protect the network from failures and subsequent maintenance by ensuring network integrity during power loss. Each of these fiber optical bypass switches includes Network ports and Monitor ports. The Network ports are used for connection to main-network connections and provide protection mechanism, and the Monitor ports are used for down-link local networking device. When the power is on, the operation mode of the Bypass switch is set to Normal, and the local networking device is connected with main-network. When power failure occurs, the Bypass switch is swiftly set to bypass mode to isolate the main-network from the local networking device.

Physical Ports
LC connector: 4 Duplex Multi-mode LC connector
Fiber Ethernet
Optical Fiber: Multi-mode - 50/125μm or 62,5/125μm
Operating Wavelength: 780÷1350 nm
Insert loss: <1.0 dB
Switch time: < 10ms
DIP Switch Settings: DIP Swicth No.1 - Power-1 failed warning detection - (On) relay enable (Off) relay disable
DIP Switch No.2 - Power-2 failed warning detection - (On) relay enable (Off) relay disable
LED Indicators
Power indicator: Green - Ready LED x 2
Normal indicator: Green On - Operated in normal mode

#08445

Net Price:
681,00 EUR
Unit: pcs

Bypass Switch, 4x LC Duplex (ORing IBS-102FX-SS-LC)

IBS-102FX series are the external Bypass switches for 100M/1G/10G fiber optical networks. These fiber optical bypass switches protect the network from failures and subsequent maintenance by ensuring network integrity during power loss. Each of these fiber optical bypass switches includes Network ports and Monitor ports. The Network ports are used for connection to main-network connections and provide protection mechanism, and the Monitor ports are used for down-link local networking device. When the power is on, the operation mode of the Bypass switch is set to Normal, and the local networking device is connected with main-network. When power failure occurs, the Bypass switch is swiftly set to bypass mode to isolate the main-network from the local networking device.

Physical Ports
LC connector: 4 Duplex Single-mode LC connector
Fiber Ethernet
Optical Fiber: Single-mode - 9/125μm
Operating Wavelength: 1260÷1570 nm
Insert loss: 1.6 dB
Switch time: < 10ms
DIP Switch Settings: DIP Swicth No.1 - Power-1 failed warning detection - (On) relay enable (Off) relay disable
DIP Switch No.2 - Power-2 failed warning detection - (On) relay enable (Off) relay disable
LED Indicators
Power indicator: Green - Ready LED x 2
Normal indicator: Green On - Operated in normal mode

Industrial Media Converters

#06648

Net Price:
133,00 EUR
Unit: pcs

Media converter 2x 10/100TX (RJ-45) + 1x 100FX (MM SC) (ORing IMC-121FB-MM-SC)

Physical Ports
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 2
100Base-FX Multimode ports (2KM, 1310nm, SC connector): 1
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) and 100BaseFX
LED Indicators
Power / Ready indicator: Green Ready LED x 1
10/100TX RJ45 port indicator: Green for port Link/Act, Yellow for duplex
Power
Input power: 12÷48 VDC voltage power input
Power consumption (typical): 4.5W
Overload current protection: present
Reverse polarity protection: present on terminal block

#08164

Net Price:
145,00 EUR
Unit: pcs

Media converter 2x 10/100TX (RJ-45) + 1x 100FX (SM SC) (ORing IMC-121FB-SS-SC)

Physical Ports
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 2
100Base-FX Singlemode ports (30KM, 1310nm, SC connector): 1
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) and 100BaseFX
LED Indicators
Power / Ready indicator: Green Ready LED x 1
10/100TX RJ45 port indicator: Green for port Link/Act, Yellow for duplex
Power
Input power: 12÷48 VDC voltage power input
Power consumption (typical): 4.5W
Overload current protection: present
Reverse polarity protection: present on terminal block

#07673

Net Price:
44,70 EUR
Unit: pcs

Industrial Media converter 1x 100/1000TX (RJ-45) + 1x 1000FX (SFP) (Wave Industrial WO-IC-M1GF1GT)

Physical Ports
100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 1
1000Base-FX SFP ports: 1
Technology
Ethernet Standards: IEEE 802.3u for 100Base-TX and 100Base-FX, IEEE 802.3ab for 1000Base-T, IEEE 802.3z for 1000Base-X

LED Indicators: power, RJ45, SFP slot
Power: Dual DC inputs. 9÷48VDC on 4-pin terminal block
Power consumption (typical): 3.3W

Physical Characteristic
Enclosure: IP-40
Dimension (W x H x D): 33mm x 115mm x 85mm
Weight: 330g

Environmental
Storage Temperature: -40÷85°C

#07964

Net Price:
153,00 EUR
Unit: pcs

Industrial mini type Ethernet to fiber PoE media converter LFP with 1x10/1000Base-T(X) P.S.E. and 1x1000Base-FX, SFP socket (ORing IGPMC-111GP)

Physical Ports
10/100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX with PoE (PSE): 1
1000Base-FX (SFP): 1
Processing: Store-and-Forward
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) and 100BaseFX, IEEE 802.3x for Flow control, IEEE 802.3at PoE specification (up to 30 Watts per port for P.S.E.)
DIP-Switch setting: DIP-Switch 1 for LFP mode selection - (ON) enable / (OFF) disable, DIP-Switch 2 for Ethernet speed selection - (ON)10Mbps / (OFF) 10/100Mbps Auto-negotiate, DIP-Switch 3 for Ethernet full/half duplex selection - (ON) Half-duplex / (OFF) Full/Half-Duplex Auto-negotiate, DIP-Switch 4 for fiber full/half duplex selection - (ON) Half-Duplex / (OFF) Full-Duplex

#06631

Net Price:
293,00 EUR
Unit: pcs

Industrial mini type Ethernet to fiber PoE media converter LFP with 1x10/1000Base-T(X) P.S.E. and 1x1000Base-FX, SFP socket (ORing IGPMC-111GP-BT-24V)

The IGPMC-111GP-BT-24V is a cost-effective solution for the conversion interface between 10/100/1000Base-T(X) and 100/1000Base-X SFP socket; it allows you to extend communication distance by optical fiber.
IGPMC-111GP-BT-24V supports MDI/MDIX auto detection, so you don't need to use crossover wires.
IGPMC-111GP-BT-24V also support Power over Ethernet, a system to transmit electrical power up to 90 watts, along with data, to remote devices over standard twisted-pair cable in an Ethernet network. Each IGPMC-111GP-BT-24V has 1x10/100/1000Base-T(X) P.S.E. (Power Sourcing Equipment) port to provide power in a PoE setup.

The IGPMC-111GP-BT-24V also supports the LFP (Link Fault Pass-through) feature. When one side of the link fails, the other side continues transmitting packets, and waiting for a response that never arrives from the disconnected side. Use the DIP-Switch to enable the LFP function, then IGPMC-111GP-BT-24V will force the link to shut down as soon as noticed that the other link has failed, giving the application software a chance to react to the situation.

The IGPMC-111GP-BT-24V with wide operating temperature range from -40 ~ 75oC and accepts a wide voltage range from dual 12~57 VDC power inputs, so it is suitable for harsh operating environments. Therefore, the IGPMC-111GP-BT-24V is reliable media converter with PoE capability and can satisfy most demand of operating environment.

Physical Ports
10/100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX with PoE (PSE): 1
1000Base-FX (SFP): 1
Processing: Store-and-Forward
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) and 100BaseFX, IEEE 802.3x for Flow control, IEEE 802.3at PoE specification
DIP-Switch setting: DIP-Switch 1 for LFP mode selection - (ON) enable / (OFF) disable, DIP-Switch 2 for Ethernet speed selection - (ON)10Mbps / (OFF) 10/100Mbps Auto-negotiate, DIP-Switch 3 for Ethernet full/half duplex selection - (ON) Half-duplex / (OFF) Full/Half-Duplex Auto-negotiate, DIP-Switch 4 for fiber full/half duplex selection - (ON) Half-Duplex / (OFF) Full-Duplex

#07952

Net Price:
600,00 EUR
Unit: pcs

Industrial mini type Ethernet to fiber PoE media converter LFP with 1x1G/10GBase-T(X) and 1x1G/10GBase-X, SFP+ socket (ORing ITGMC-111GP+)

Physical Ports
1G/10GBase-T(X) Ports in RJ45 Auto MDI/MDIX: 1
1G/10GBase-X SFP+ ports: 1
Processing: Store-and-Forward
Technology
Ethernet Standards: IEEE 802.3ae for 10Gigabit Ethernet, IEEE 802.3an for 10GBase-T, IEEE 802.3ab for 1000Base-T, IEEE 802.3z for 1000Base-X
Jumbo Frame: 10k
LED Indicators
Power indicator: Green - Power LED x 2
1G/10GBase-X SFP+ port indicator: Green for port Link/Act
1G/10GBase-T RJ45 port indicator: Green for Link/Act, Dual color LED for speed - Green for 10Gbps, Amber for 1Gbps

#06888

Net Price:
137,00 EUR
Unit: pcs

Media converter 1x 10/1000TX (RJ-45) + 1x 1000FX (MM SC) (ORing IGMC-1011GF-MM-SC)

Physical Ports
10/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 1
1000Base-FX Multimode ports (550m, 850nm, SC connector): 1
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) and 100BaseFX, IEEE 802.3ab for 1000Base-T, IEEE802.3z for 1000Base-X
LED Indicators
Power / Ready indicator: Green Ready LED x 2
Fault indicator: Amber - Indicate power failure
10/1000TX RJ45 port indicator: Green for port Link/Act, Amber for duplex
1000X Port Indicator: Green for port Link/Act

#06889

Net Price:
263,00 EUR
Unit: pcs

Media converter 1x 10/1000TX (RJ-45) + 1x 1000FX (SM SC) (ORing IGMC-1011GF-SS-SC)

Physical Ports
10/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 1
1000Base-FX Singlemode ports (10km, 1310nm, SC connector): 1
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) and 100BaseFX, IEEE 802.3ab for 1000Base-T, IEEE802.3z for 1000Base-X
LED Indicators
Power / Ready indicator: Green Ready LED x 2
Fault indicator: Amber - Indicate power failure
10/1000TX RJ45 port indicator: Green for port Link/Act, Amber for duplex
1000X Port Indicator: Green for port Link/Act

#06890

Net Price:
175,00 EUR
Unit: pcs

Media converter 1x 100/1000TX (RJ-45) + 1x 1000FX (SFP) (ORing IGMC-1011GP)

Physical Ports
100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 1
1000Base-FX SFP ports: 1
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) and 100BaseFX, IEEE 802.3ab for 1000Base-T, IEEE802.3z for 1000Base-X
LED Indicators
Power / Ready indicator: Green Ready LED x 2
Fault indicator: Amber - Indicate power failure
100/1000TX RJ45 port indicator: Green for port Link/Act, Amber for duplex
100/1000X Port Indicator: Green for port Link/Act
Fault contact
Relay: Relay output to carry capacity of 1A at 24 VDC

#07647

Net Price:
175,00 EUR
Unit: pcs

Media converter 1x 100/1000TX (RJ-45) + 1x 100/1000FX (SFP) (ORing IGMC-111GPB)

Physical Ports
100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 1
100/1000Base-FX SFP ports: 1
Technology
Ethernet Standards: IEEE 802.3u for 100Base-TX and 100Base-FX, IEEE 802.3ab for 1000Base-T, IEEE 802.3z for 1000Base-X
LED Indicators
Power / Ready indicator: Green LED x 2 (ON) power input on-line / (OFF) power input off-line
100/1000TX RJ45 port indicator: LED for Link/Act and Speed indicator, Green on only - 1000Mbps Link/Act - (ON) Link up / (Flash) Acting / (OFF) Link down, Green and Amber on - 100Mbps Link/Act - (ON) Link up / (Flash) Acting / (OFF) Link down, If amber on only - 10Mbps (This is not working mode)

#08443

Net Price:
175,00 EUR
Unit: pcs

Media converter 1x 100/1000TX (RJ-45) + 1x 100/1000FX (SFP) card type (ORing RGMC-111GPB)

RGMC-111GPB is industrial rack mount card type Ethernet to fiber media converter for rack-mounted chassis box of RMC-1000, that supports hot-swappable and easy installation to RMC-1000 (#08437). RGMC-111GPB is a cost-effective solution for the conversion between 100/1000Base-T(X) and 100/1000Base-X SFP interface, it allows you to extend communication distance by optical fiber. RGMC-111GPB supports MDI/MDIX auto detection, so you don't need to use crossover wires. Therefore, the RGMC-111GPB to collocate RMC-1000 is reliable media converter and can satisfy most demand of operating environment.

Physical Ports
100/1000Base-T(X) Ports in RJ45 Auto MDI/MDIX 1
100/1000Base-FX SFP port: 1
Technology
Ethernet Standards: IEEE 802.3u for 100Base-TX and 100Base-FX, IEEE 802.3ab for 1000Base-T, IEEE 802.3z for 1000Base-X
Processing: Store-and-Forward
DIP-Switch 1/2: DIP-Switch 1 (ON) and DIP-Switch 2 (ON) - SFP speed setting to 100Mbps, DIP-Switch 1 (OFF) and DIP-Switch 2 (OFF) - SFP speed setting to 1000Mbps
LED Indicators
Power indicator: Green Power LED x 1
10/100Base-T(X) RJ45 port indicator: Green only - 1000Mbps Link/Act - (ON) Link up / (Flash) Acting / (OFF) Link down, Green and Amber - 100Mbps Link/Act - (ON) Link up / (Flash) Acting / (OFF) Link down

#08438

Net Price:
212,00 EUR
Unit: pcs

Media converter 2x 10/100TX (RJ-45) + 1x 100FX (MM SC) card type (ORing RMC-121FB-MM)

RMC-121FB series is industrial rack mount card type Ethernet to fiber media converter for rack-mounted chassis box of RMC-1000, that supports hot-swappable and easy installation to RMC-1000 (#08437).
RMC-121FB series provide media conversion between 2x10/100Base-T(X) and 1x100Base-FX. RMC-121 series allows you to extend communication distance by optical fiber. RMC-121FB series supports MDI/MDIX auto detection, so you don't need to use crossover wires. Therefore, the RMC-121FB series to collocate RMC-1000 is reliable media converter and can satisfy most demand of operating environment.

Physical Ports
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 2
100Base-FX Multimode ports (2KM, 1310nm, SC connector): 1
Technology
Ethernet Standards: IEEE 802.3 for 10Base-T, IEEE 802.3u for 100Base-TX and 100Base-FX, IEEE 802.3xfor flow control
Processing: Store-and-Foward
LED Indicators
Power Indicator: Green Power LED x 1
10/100TX RJ45 port indicator: Green for port Link/Act., Amber for Duplex/Collision
100Base-FX Fiber Port Indicator: Green for fiber port Link/Act
Power
Power consumption (typical): 4.5W

#08439

Net Price:
159,00 EUR
Unit: pcs

Media converter 2x 10/100TX (RJ-45) + 1x 100FX (SM SC) card type (ORing RMC-121FB-SS)

RMC-121FB series is industrial rack mount card type Ethernet to fiber media converter for rack-mounted chassis box of RMC-1000, that supports hot-swappable and easy installation to RMC-1000. RMC-121FB series provide media conversion between 2x10/100Base-T(X) and 1x100Base-FX. RMC-121 series allows you to extend communication distance by optical fiber. RMC-121FB series supports MDI/MDIX auto detection, so you don't need to use crossover wires. Therefore, the RMC-121FB series to collocate RMC-1000 is reliable media converter and can satisfy most demand of operating environment.

Physical Ports
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 2
100Base-FX Singlemode ports (30KM, 1310nm, SC connector): 1
Technology
Ethernet Standards: IEEE 802.3 for 10Base-T, IEEE 802.3u for 100Base-TX and 100Base-FX, IEEE 802.3xfor flow control
Processing: Store-and-Foward
LED Indicators
Power Indicator: Green Power LED x 1
10/100TX RJ45 port indicator: Green for port Link/Act., Amber for Duplex/Collision
100Base-FX Fiber Port Indicator: Green for fiber port Link/Act
Power
Power consumption (typical): 4.5W

#08437

Net Price:
681,00 EUR
Unit: pcs

Media converter chassis, 18 slots, RACK-MOUNT (ORing RMC-1000)

Physical Ports
Slot number: 18
Power
Input power: Two optional 100~240VAC power inputs
Overload current protection: present
Physical Characteristic
Dimension (W x H x D): 430mm x 243mm x 132mm
Weight: 4955g
Environmental
Storage Temperature: -40÷85°C
Operating Temperature: -10÷60°C
Operating Humidity: 5%÷95% Non-condensing
Regulatory approvals
EMI: FCC Part 15, CISPR (EN55022) class A
EMS: EN61000-4-2 (ESD), EN61000-4-3 (RS), EN61000-4-4 (EFT), EN61000-4-5 (Surge), EN61000-4-6 (CS), EN61000-4-8, EN61000-4-11

#06892

Net Price:
103,00 EUR
Unit: pcs

Media converter 1x RS232 (DB9) + 1x RS-422/485 (TB, 3kV isolated) (ORing ISC-1112-I)

Physical Ports
RS-232 Connector: DB9 (Female)
RS-422/485 Connector: 10-pin terminal block opto-isolated to 3kV
RS-232 Signals: TxD, RxD, GND
RS-422/485 Signals (RS422): TxD+, TxD-, RxD+, RxD-
RS-422/485 Signals (RS485): Data+, Data-, GND
Baud Rate: 300bps to 115.2Kbps
Data bit: 5, 6, 7, 8
Stop bit: 1, 1.5, 2
Parity: None, Even, Odd, Space, Mark
Flow Control: XON/XOFF (software), Auto Hardware Direction Control for RS-485
LED Indicators
Power Indicator: Green x1
TxD Indicator: Green x1

#06523

Net Price:
200,00 EUR
Unit: pcs

Industrial Gigabit High Power Injector, 1x10/1000 RJ-45 PoE + 1x10/1000 RJ-45 (ORing INJ-101GT++-60W)

The INJ-101GT++ PoE Injector series is not only an IEEE802.3at compliant device but also an advanced high power PoE injector. It is intelligent detection that provided 1-ports 10/100/1000Base-T (X) PoE outputs. The device does not turn on power until it detects a valid PoE signature from the PoE devices attached downstream on the Ethernet cable. This protection against damage to non-PoE compliant equipment which may be connected to the Ethernet cable. Therefore, only an IEEE 802.3at/802.3af compliant device can be powered with the INJ-101GT++ PoE Injector. Typically in Gigabit networks the maximum allowable CAT5 cable length is about 100 meters, due to the limitation of the Ethernet standards. The INJ-101GT++ PoE Injector can function with any PoE P.D. equipment which is fully compliant with the IEEE 802.3af/at PoE standards, and provide the DIP switch configurator for High power PoE management.

Physical Ports
10/100/1000Base-T(X) in RJ-45 Ethernet Port Input: 1
10/100/1000Base-T(X) in RJ-45 Ethernet Port with P.S.E. Output: 1
Operating Voltage
Input Voltage: 50 ~ 57 VDC / 4-pin terminal block
Power Consumption: 1 Watts (Not include PD's device)
PoE Power Budget: 60 Watts max
LED Indicators
Power indicator: PWR / Ready 1 x LED, Green On - Power is on and functioning Normally
PoE Indicators: 1 x LED, Blue On - PoE Device Link, Blue Off - None PoE Device Detected, Blink (Blue) - Overload present

#06539

Net Price:
270,00 EUR
Unit: pcs

Industrial Gigabit High Power Injector, 1x10/1000 RJ-45 PoE + 1x10/1000 RJ-45 (ORing INJ-101GT++-60W-24V)

The INJ-101GT++ PoE Injector series is not only an IEEE802.3at compliant device but also an advanced high power PoE injector. It is intelligent detection that provided 1-ports 10/100/1000Base-T (X) PoE outputs. The device does not turn on power until it detects a valid PoE signature from the PoE devices attached downstream on the Ethernet cable. This protection against damage to non-PoE compliant equipment which may be connected to the Ethernet cable. Therefore, only an IEEE 802.3at/802.3af compliant device can be powered with the INJ-101GT++ PoE Injector. Typically in Gigabit networks the maximum allowable CAT5 cable length is about 100 meters, due to the limitation of the Ethernet standards. The INJ-101GT++ PoE Injector can function with any PoE P.D. equipment which is fully compliant with the IEEE 802.3af/at PoE standards, and provide the DIP switch configurator for High power PoE management.

Physical Ports
10/100/1000Base-T(X) in RJ-45 Ethernet Port Input: 1
10/100/1000Base-T(X) in RJ-45 Ethernet Port with P.S.E. Output: 1
Operating Voltage
Input Voltage: 9 ~ 57 VDC / 4-pin terminal block
Power Consumption: 1 Watts (Not include PD's device)
PoE Power Budget: 60 Watts max
LED Indicators
Power indicator: PWR / Ready 1 x LED, Green On - Power is on and functioning Normally
PoE Indicators: 1 x LED, Blue On - PoE Device Link, Blue Off - None PoE Device Detected, Blink (Blue) - Overload present

#08446

Net Price:
99,10 EUR
Unit: pcs

Industrial Gigabit High Power Injector, 2x10/1000 RJ-45 PoE + 2x10/1000 RJ-45 (ORing INJ-102GT)

The INJ-102GT PoE Injector is an advanced IEEE802.3at compliant device with Intelligent Detection, that provided 2-ports 10/100/1000Base-T(X) PoE outputs. The device does not turn on power until it detects a valid PoE signature from the PoE devices attached downstream on the Ethernet cable. This protection against damage to non-PoE compliant equipment which may be connected to the Ethernet cable. Because of this intelligent detection, only an IEEE 802.3at/802.3af compliant device can be powered with the INJ-102GT PoE Injector. Typically in gigabit networks the maximum allowable CAT5 cable length is about 100 meters, due to the limitation of the Ethernet standards. Because of its 50~57V insertion, the installer doesn't need to worry about voltage drops caused by cable length. The INJ-102GT PoE Injector can function with any PoE P.D. equipment which is fully compliant with the IEEE 802.3at/802.3af PoE standards.

Physical Ports
10/100/1000Base-T(X) in RJ-45 Ethernet Port Input: 2
10/100/1000Base-T(X) in RJ-45 Ethernet Port with P.S.E. Output: 2
Operating Voltage
Input Voltage: 50 ~ 57 VDC / 4-pin terminal block
Output Power: 50V / 600mA, 30 Watts max. Per port
LED Indicators
Power indicator: PWR / Ready 1 x LED, Green On - Power is on and functioning Normally
PoE Indicators: 2 x LED, Blue On - PoE Device Link, Blue Blinking - Detecting PoE Device, Blue Off - None PoE Device Detected
Protection
Short Circuit Protection: present

#08447

Net Price:
182,00 EUR
Unit: pcs

Industrial Gigabit High Power Injector, 2x10/1000 RJ-45 PoE + 2x10/1000 RJ-45 (ORing INJ-102GT-24V)

The INJ-102GT PoE Injector is an advanced IEEE802.3at compliant device with Intelligent Detection, that provided 2-ports 10/100/1000Base-T(X) PoE outputs. The device does not turn on power until it detects a valid PoE signature from the PoE devices attached downstream on the Ethernet cable. This protection against damage to non-PoE compliant equipment which may be connected to the Ethernet cable. Because of this intelligent detection, only an IEEE 802.3at/802.3af compliant device can be powered with the INJ-102GT PoE Injector. Typically in gigabit networks the maximum allowable CAT5 cable length is about 100 meters, due to the limitation of the Ethernet standards. Because of its 50~57V insertion, the installer doesn't need to worry about voltage drops caused by cable length. The INJ-102GT PoE Injector can function with any PoE P.D. equipment which is fully compliant with the IEEE 802.3at/802.3af PoE standards.

Physical Ports
10/100/1000Base-T(X) in RJ-45 Ethernet Port Input: 2
10/100/1000Base-T(X) in RJ-45 Ethernet Port with P.S.E. Output: 2
Operating Voltage
Input Voltage: 24 ~ 57 VDC / 4-pin terminal block
Output Power: 50V / 600mA, 30 Watts max. Per port
LED Indicators
Power indicator: PWR / Ready 1 x LED, Green On - Power is on and functioning Normally
PoE Indicators: 2 x LED, Blue On - PoE Device Link, Blue Blinking - Detecting PoE Device, Blue Off - None PoE Device Detected
Protection
Short Circuit Protection: present

Transporter EN50155 Devices

#06506

Net Price:
328,00 EUR
Unit: pcs

Industrial Gigabit High Power Injector, 2x10/1000 M12 PoE (ORing TINJ-101GT-M12-24V)

ORing's Transporter series PoE Injectors are designed for industrial applications, such as rolling stock, vehicle, and railway applications. The TINJ-101GT-M12-24V PoE Injector is an advanced IEEE802.3at compliant device with Intelligent Detection that provided 1-port 10/100/1000 Base-T(X) PoE output which is compliant with EN50155 requirement. It is specifically designed for the toughest industrial environments. TINJ-101GT-M12-24V EN50155 PoE Injector use M12 connectors to ensure tight, robust connections, and guarantee reliable operation against environmental disturbances, such as vibration and shock. The device does not turn on power until it detects a valid PoE signature from the PoE devices attached downstream on the Ethernet cable. This protection against damage to non-PoE compliant equipment which may be connected to the Ethernet cable. Because of this intelligent detection, only an IEEE 802.3at/802.3af compliant device can be powered with the TINJ-101GT-M12-24V PoE Injector. Typically, in Ethernet networks the maximum allowable CAT5 cable length is about 100 meters, due to the limitation of the Ethernet standards. Because of its 50V insertion, the installer doesn't need to worry about voltage drops caused by cable length. The TINJ-101GT-M12-24V PoE Injector can function with any PoE P.D. equipment which is fully compliant with the IEEE 802.3at/802.3af PoE standards.

Physical Ports
10/100/1000 Base-T(X) with P.S.E. Ports in M12 Auto MDI/MDIX: 1 (8-pin M12 female A-coding connector)
10/100/1000 Base-T(X) Port in M12 Auto MDI/MDIX: 1 (8-pin M12 female A-coding connector)
Operating Voltage
Input Voltage: Railway 24VDC (12 ~ 57 VDC) on 5-pin M12 female A-coding
Output Power: 50V / 600mA, 30 Watts max. Per port
LED Indicators
Power indicator: PWR / Ready 1 x LED, Green On - Power is on and functioning Normally
PoE Indicators: 1 x LED, Blue On - PoE Device Link, Blue Blinking - Detecting PoE Device, Blue Off - None PoE Device Detected

#06630

Net Price:
556,00 EUR
Unit: pcs

Unmanaged switch, 5x 10/100/500 M12 PoE (ORing TXPS-141XT-M12-24V)

ORing's TransporterTM series Ethernet switches are designed for industrial applications, such as rolling stock, vehicle, and railway applications. TXPS-141XT-M12 series are unmanaged PoE Ethernet switch with 4x10/100/500Base-T(X) P.S.E. ports and 1x10/100/500Base-T(X) port which is compliant with EN50155 requirement. It is specifically designed for the toughest industrial environments. TXPS-141XT-M12 series EN50155 Ethernet switch use M12 connectors to ensure tight, robust connections, and guarantee reliable operation against environmental disturbances, such as vibration and shock. TXPS-141XT-M12 series also support Power over Ethernet, a system to transmit electrical power up to 30 watts, along with data, to remote devices over standard twisted-pair cable in an Ethernet network. TXPS-141XT-M12 series switch has 4x10/100/500Base-T(X) P.S.E. (Power Sourcing Equipment) port to provide power in a PoE setup. The very wide operating temperature range from -40 oC to 75oC can satisfy most operating environment.

Physical Ports
10/100/500Base-T(X) with P.S.E. Ports in M12 Auto MDI/MDIX: 4
10/100/500Base-T(X) Port in M12 Auto MDI/MDIX: 1
Connector Type: M12
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3x for Flow control, IEEE 802.3at compliant PoE specification (Maximum 30Watts per port)
Processing: Store-and-Forward
LED Indicators
Power / Ready indicator: Green Power LED x 1
10/100/500Base-T(X) M12 port indicator and PoE indicator: Top for port Link/Act indicator. Green for 10/100Mbps link, Middle Green for 500Mbps port Link/Act indicator, Bottom blue for PoE Injected indicator

#07850

Net Price:
730,00 EUR
Unit: pcs

Unmanaged switch, 8x 10/100/1000 M12 PoE (ORing TGXPS-1080-M12-24V)

ORing's TransporterTM series un-managed Ethernet switches are designed for industrial applications, such as rolling stock, vehicle, and railway applications. The TGXPS-1080-M12-24V is an un-managed PoE Ethernet switch with 8x10/100/500/1000Base-T(X) P.S.E. which is specifically designed for the toughest and fully compliant with EN50155 requirement. TGXPS-1080-M12-24V also supports Power over Ethernet, a system to transmit electrical power, along with data, to remote devices over standard twisted-pair cable in an Ethernet network. Each TGXPS-1080-M12-24V switch has 8X10/100/500/1000Base-T(X) P.S.E. (Power Sourcing Equipment) ports. P.S.E. is a device (switch or hub for instance) that will provide power in a PoE setup. TGXPS-1080-M12-24V EN50155 Ethernet switch use M12 connectors to ensure tight, robust connections, and guarantee reliable operation against environmental disturbances, such as vibration and shock. In addition, the wide operating temperature range from -40oC to 75oC can satisfy most of operating environment. Therefore, the switch is one of the most reliable choices for rolling stock and highly-managed PoE Ethernet application.
While installing in the train, TGXPS-1080-M12-24V is mainly used for in-train monitoring and Entertainment service due to its high speed Gigabit Ethernet
connection and PoE capability. Devices connected will be IP camera or CCTV for the use of train surveillance. As an unmanaged Ethernet Switch, TGXPS-1080-M12-24V is not able and will not be used for any control related application. Its main function is simply forwarding the Ethernet packet from one Ethernet based device to another Ethernet device which are all connected to the Switch.

Physical Ports
10/100/1000 Base-T(X) Auto MDI/MDIX ports: 8
Connector Type: M12
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3x for Flow control, IEEE 802.3ab for 1000Base-T, IEEE 802.3at compliant PoE specification (Maximum 30Watts per port)
MAC Table: 4k
Processing: Store-and-Forward
LED Indicators
Power / Ready indicator: Green Power LED x 3
Fault Indicator: Amber Indicate PWR1 or PWR2 failure
10/100/1000Base-T(X) M12 port indicator and PoE indicator: Top for port Link/Act indicator. Green for 1000Mbps link, Amber for 10/100 Mbps link, Middle Amber for 500Mbps port Link/Act indicator, Bottom blue for PoE Injected indicator

#07851

Net Price:
1 280,00 EUR
Unit: pcs

Unmanaged switch, 8x 10/100/1000 M12 PoE (ORing TGXPS-1080-M12-MV)

ORing's TransporterTM series un-managed Ethernet switches are designed for industrial applications, such as rolling stock, vehicle, and railway applications. The TGXPS-1080-M12-MV is an un-managed PoE Ethernet switch with 8x10/100/500/1000Base-T(X) P.S.E. which is specifically designed for the toughest and fully compliant with EN50155 requirement. TGXPS-1080-M12-MV also supports Power over Ethernet, a system to transmit electrical power, along with data, to remote devices over standard twisted-pair cable in an Ethernet network. Each TGXPS-1080-M12-MV switch has 8X10/100/500/1000Base-T(X) IEEE 802.3af/at P.S.E. (Power Sourcing Equipment) ports, but the PoE total power budget is 60Watts Max. P.S.E. is a device (switch or hub for instance) that will provide power in a PoE setup. TGXPS-1080-M12-MV EN50155 Ethernet switch use M12 connectors to ensure tight, robust connections, and guarantee reliable operation against environmental disturbances, such as vibration and shock. In addition, the wide operating temperature range from -40oC to 75oC can satisfy most of operating environment. Therefore, the switch is one of the most reliable choices for rolling stock and highly-managed PoE Ethernet application.
While installing in the train, TGXPS-1080-M12-MV is mainly used for in-train monitoring and Entertainment service due to its high-speed Gigabit Ethernet connection and PoE capability. Devices connected will be IP camera or CCTV for the use of train surveillance. As an unmanaged Ethernet Switch, TGXPS-1080-M12-MV is not able and will not be used for any control related application. Its main function is simply forwarding the Ethernet packet from one Ethernet based device to another Ethernet device which are all connected to the Switch.

Physical Ports
10/100/1000 Base-T(X) Auto MDI/MDIX ports: 8
Connector Type: Waterproof M12
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3x for Flow control, IEEE 802.3ab for 1000Base-T, IEEE 802.3at compliant PoE specification (Maximum 30Watts per port)
MAC Table: 4k
Processing: Store-and-Forward
LED Indicators
Power / Ready indicator: Green Power LED x 1
Fault Indicator: Amber Indicate PWR1 or PWR2 failure
10/100/1000Base-T(X) M12 port indicator and PoE indicator: Top for port Link/Act indicator. Green for 1000Mbps link, Amber for 10/100 Mbps link, Middle Amber for 500Mbps port Link/Act indicator, Bottom blue for PoE Injected indicator

#06629

Net Price:
605,00 EUR
Unit: pcs

Unmanaged switch, 8x 10/100/500/1000 M12 (ORing TGXS-1080-M12)

ORing's Transporter series un-managed Ethernet switches are designed for industrial applications, such as rolling stock, vehicle, and railway applications. The TGXS-1080-M12 is an un-managed Ethernet switch with 8x10/100/500/1000Base-T(X) which is specifically designed for the toughest and fully compliant with EN50155 requirement. TGXS-1080-M12 EN50155 Ethernet switch use M12 connectors to ensure tight, robust connections, and guarantee reliable operation against environmental disturbances, such as vibration and shock. In addition, the wide operating temperature range from -40 oC to 75oC can satisfy most of operating environment. Therefore, the switch is one of the most reliable choices for rolling stock and highly-managed Ethernet application. While installing in the train, TGXS-1080-M12 is mainly used for in-train monitoring and Entertainment service due to its high speed Gigabit Ethernet connection. Devices connected will be IP camera or CCTV for the use of train surveillance. As an unmanaged Ethernet Switch, TGXS-1080-M12 is not able and will not be used for any control related application. Its main function is simply forwarding the Ethernet packet from one Ethernet based device to another Ethernet device which are all connected to the Switch.

Physical Ports
10/100/1000 Base-T(X) Auto MDI/MDIX ports: 8
Connector Type: Waterproof M12
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3x for Flow control, IEEE 802.3ab for 1000Base-T
MAC Table: 4k MAC addresses
Processing: Store-and-Forward
LED Indicators
Power / Ready indicator: Green Power LED x 3
Fault Indicator: Amber Indicate PWR1 or PWR2 failure
10/100/500/1000Base-T(X) M12 port indicator: Top for 10/100/1000Mbps port Link/Act indicator. Green for 1Gbps link, Amber for 10/100 Mbps link, Bottom Amber for 500Mbps port Link/Act indicator

#07648

Net Price:
Call
Unit: pcs

Smart switch, 5x 10/100 M12, O-Ring <10ms (ORing TES-250-M12)

ORing's Transporter series Ethernet switches are designed for industrial applications, such as rolling stock, vehicle, and railway applications. TES-250-M12 is a lite-managed redundant ring Ethernet switch with 10/100Base-T(X) ports which is compliant with EN50155 request. With complete support of Ethernet redundancy protocol, O-Ring (recovery time < 10ms over 250 units of connection), Open-Ring and STP/RSTP (IEEE802.1w/D) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technologies. It is specifically designed for the toughest industrial environments. TES-250-M12 EN50155 Ethernet switch uses M12 connectors to ensure tight, robust connections and guarantees reliable operation against environmental disturbances, such as vibration and shock. TES-250-M12 can be managed centralized by a powerful windows utility - Open-Vision. In addition, the wide operating temperature range from -40~70°C can satisfy most of operating environment. The TES-250-M12 can be easily adopted in almost all kinds of applications and provides the most rugged solutions for managing your network. Therefore, the switch is one of the most reliable choices for rolling stock and highly-managed Ethernet applications.

Physical Ports
10/100 Base-T(X) Ports w/Auto MDI/MDIX: 5
Connector Type: Waterproof M12
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3x for Flow control, IEEE 802.1D for STP (Spanning Tree Protocol), IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1AB for LLDP (Link Layer Discovery Protocol)
MAC Table: 2048 MAC addresses
Priority Queues: 4
Processing: Store-and-Forward
Switching bandwidth: 1.0 Gbps
VLAN: Port Based
Security Features: Enable/disable ports, VLAN to segregate and secure network traffic, SNMP v3 encrypted authentication and access security

#07852

Net Price:
Call
Unit: pcs

Managed switch, 8x 10/100 RJ-45 + 2 slide-in SFP slots / RJ-45, O/Open-Ring <10ms (ORing IES-3082GC)

IES-3082GC is managed redundant ring Ethernet switch with 8x10/100Base-T(X) ports and 2xGigabit combo ports which is compliant with EN50155 request. The Ethernet switch is designed for industrial applications, such as rolling stock, vehicle, and railway applications. With completely support of Ethernet redundancy protocol, O-Ring (recovery time < 10ms over 250 units of connection), Open-Ring and MSTP/RSTP/STP (IEEE 802.1s/w/D) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology.

Physical Ports
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 7
1000 COMBO with SFP: 3
RS-232 Serial Console Port: RS-232 in RJ45 connector with console cable (9600bps 8 N 1)
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) and 100Base-FX, IEEE 802.3x for Flow control, IEEE 802.1D for STP (Spanning Tree Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1X for Authentication, IEEE 802.3ad for LACP (Link Aggregation Control Protocol)

#06501

Net Price:
2 300,00 EUR
Unit: pcs

Managed switch, 8x 10/100/1000 M12 PoE + 4x 10/100/1000 M12, Bypass (ORing TRGPS-9084GT-M12X-BP2-MV)

TRGPS-9084GT-M12X-BP2-MV is a Gigabit managed redundant ring Ethernet switch with 8x10/100/1000Base-T(X) P.S.E. and 4x10/100/1000Base-T(X), M12 connector and 2xbypass included. These switches support Ethernet Redundancy protocol, O-Ring (recovery time < 30ms) and MSTP (RSTP/STP compatible) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. And TRGPS-9084GT-M12X-BP2-MV supports wide operating temperature from -40°C to 75°C.
TRGPS-9084GT-M12X-BP2-MV can also be managed centralized and convenient by Open-Vision, as well as the Web-based interface, Telnet and console (CLI) configuration. Therefore, the switch is one of the most reliable choice for highly-managed and Fiber Ethernet application.

Physical Ports
10/100/1000 Base-T(X) Auto MDI/MDIX ports: 8 (bypass function included by last 4 ports)
RS-232 Serial Console Port: RS-232 in 5-pin M12 connector with console cable. 115200bps, 8, N, 1
Technology
Ethernet Standards: IEEE 802.3i for 10Base-T, IEEE 802.3u for 100Base-TX, IEEE 802.3ab for 1000Base-T, IEEE 802.3x for Flow control, IEEE 802.3ad for LACP (Link Aggregation Control Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1s for MSTP (Multiple Spanning Tree Protocol), IEEE 802.1x for Authentication, IEEE 802.1AB for LLDP (Link Layer Discovery Protocol)

#08414

Net Price:
Call
Unit: pcs

Smart switch, 8x 10/100 M12 Bypass, O-Ring <10ms (ORing TES-3080-M12-BP2)

The TES-3080-M12-BP2 is a managed Redundant Ring Ethernet switch with 8x10/100Base-T(X) ports which is compliant with EN50155 request. With completely support of Ethernet Redundancy protocol, O-Ring (recovery time < 10ms over 250 units of connection), Open-Ring, O-RSTP and MSTP/RSTP/STP (IEEE 802.1s/w/D) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology.
It is specifically designed for the toughest industrial environments. TES-3080-M12-BP2 EN50155 Ethernet switch use M12 connectors to ensure tight, robust connections, and guarantee reliable operation against environmental disturbances, such as vibration and shock.
Another Open-Ring technology is also supported which can applied for other vendor's proprietary ring.
TES-1080-M12-BP2 included dual bypass ports, These bypass ports protect the network from failures and Network maintenance by ensuring network integrity during power loss. Each of these bypass ports includes Network ports and Monitor ports. The Network ports are used for connection to main-network connections and provide protection mechanism, and the Monitor ports are used for down-link local networking device. When the power is on, the operating mode of the Bypass ports is set to Normal , and the local networking device is connected with main-network. When power failure occurs, the Bypass ports is swiftly set to bypass mode to isolate the main-network from the local networking device.

Physical Ports
10/100 Base-T(X) Bypass Ethernet Auto MDI/MDIX: 8 (Built-in 2 sets of bypass ports)
Connector Type: Waterproof M12
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3x for Flow control, IEEE 802.1D for STP (Spanning Tree Protocol), IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1AB for LLDP (Link Layer Discovery Protocol)
MAC Table: 8192 MAC addresses
Priority Queues: 4
Processing: Store-and-Forward
Switching bandwidth: 1.6 Gbps

#08422

Net Price:
Call
Unit: pcs

Smart switch, 8x 10/100 M12, O-Ring <10ms (ORing TES-3080-M12)

ORing's TransporterTM series managed Ethernet switches are designed for industrial applications, such as rolling stock, vehicle, and railway applications.
The TES-3080-M12 is a managed Redundant Ring Ethernet switch with 8x10/100Base-T(X) ports which is compliant with EN50155 request. With completely support of Ethernet Redundancy protocol, O-Ring (recovery time < 10ms over 250 units of connection), Open-Ring, O-RSTP and MSTP/RSTP/STP (IEEE 802.1s/w/D) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. It is specifically designed for the toughest industrial environments.

TES-3080-M12 EN50155 Ethernet switch use M12 connectors to ensure tight, robust connections, and guarantee reliable operation against environmental disturbances, such as vibration and shock. Another Open-Ring technology is also supported which can applied for other vendor's proprietary ring.
TES-3080-M12 can be managed centralized and convenient by a powerful windows utility ~ Open-Vision. In addition, the wide operating temperature range from -40°C to 70°C can satisfy most of operating environment.
Therefore, the switch is one of the most reliable choices for rolling stock and highly-managed Ethernet application.

Physical Ports
10/100 Base-T(X) Ports w/Auto MDI/MDIX: 8
Connector Type: Waterproof M12
Technology
Ethernet Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3x for Flow control, IEEE 802.1D for STP (Spanning Tree Protocol), IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1AB for LLDP (Link Layer Discovery Protocol)
MAC Table: 8192 MAC addresses
Priority Queues: 4
Processing: Store-and-Forward
Switching bandwidth: 1.6 Gbps
VLAN: Port Based
Security Features: Enable/disable ports, VLAN to segregate and secure network traffic, SNMP v3 encrypted authentication and access security

#08188

Net Price:
Call
Unit: pcs

Wireless router 3G, 2x 10/100 RJ-45 (WAN + LAN) + 1x 802.11a/b/g (WLAN) + 1x USB (ORing TAR-3120-M12)

ORing's Transporter series cellular VPN router is designed for industrial and rolling stock wireless applications, such as vehicle, and railway applications.

TAR-3120-M12 is a reliable Dual-RF IEEE802.11a/b/g and IEEE 802.11b/g cellular VPN router with 2 ports LAN which is fully compliant with EN50155 certification. It supports 802.1X and MAC filter for security control. It can be configured to operate in 3 modes of routing function: Dynamic/Static IP route, PPPoE authentication, and Cellular Modem dial-up. Users can set up WLAN environment to fulfill demands of various applications rapidly by dialing up cellular modem.

TAR-3120-M12 EN50155 cellular VPN router use M-series connectors to ensure tight, robust connections, and guarantee reliable operation against environmental disturbances, such as vibration and shock. TAR-3120-M12 provides dual RF wireless interfaces, which can provide IEEE 802.11 a/b/g and IEEE 802.11 b/g dual band wireless communication and can be applied to fulfill any demands of wireless applications. TAR-3120-M12 provides dual Ethernet ports in switch mode, so that you can use Daisy Chain to reduce the usage of Ethernet switch ports.

Physical Ports
10/100Base-T(X) Ports: RJ45 Auto MDI/MDIX 2 (M12 connector - D coding)
WLAN Interface
WAN Connection Type: Static/Dynamic IP, PPPoE, 3G Modem dial-up
Antenna and Connector: 2 x 2 dBi (b/g mode) / 3dBi (a mode) on Reverse SMA connector, 2 x 2 dBi (Cellular modem) on Reverse SMA connector
Radio Frequency Type: DSSS, OFDM
Modulation
IEEE 802.11a: OFDM with BPSK, QPSK, 16QAM, 64QAM
IEEE 802.11b: CCK, DQPSK, DBPSK
IEEE 802.11g: OFDM with BPSK, QPSK, 16QAM, 64QAM
Frequency Band: America / FCC 2.412~2.462 GHz (11 channels), 5.15 to 5.825 GHz (13 channels), Europe CE / ETSI 2.412~2.472 Ghz (13 channels), 5.15 to 5.724 GHz (19 channels)

Wireless Devices

#06531

Net Price:
233,00 EUR
Unit: pcs

Wireless access point, 2x 10/100/1000 RJ-45 (LAN + PoE PD) + 1x 802.11b/g/n (WLAN) (ORing IAP-420+)

IAP-420 / IAP-420+ series are reliable 802.11 b/g/n WLAN Access Point with 2 ports LAN. It supports 802.1X and MAC filters for security control. It can be configured to operate in AP/Bridge/Repeater/AP-Client mode. You are able to configure IAP-420 / IAP-420+ series by WEB interface via LAN port or WLAN interface. In addition, IAP-420+ also provides P.D. feature on ETH1 which is fully compliant with IEEE802.3af PoE P.D. specification. Therefore, IAP-420 / IAP-420+ series are one of the best communication solutions for wireless applications on the industrial network.

Physical Ports
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 2 (one port with PoE)
PoE PD Port: Present at ETH, Fully compliant with IEEE 802.3af Power Device specification, Over load and short circuit protection, Isolation Voltage 1000 VDC min., Isolation Resistance 108MΩ min
WLAN interface
Operating Mode: AP/Bridge/Bridge/AP-Client
Antenna Connector: 1 x External reverse SMA-type antenna connector
Radio Frequency Type: DSSS, OFDM
Modulation IEEE802.11b: CCK, DQPSK, DBPSK
Modulation IEEE802.11g/n: OFDM with BPSK, QPSK, 16QAM, 64QAM

#06535

Net Price:
586,00 EUR
Unit: pcs

Wireless router 4G LTE, 2x 10/100 RJ-45 (LAN) + 1x 802.11b/g/n (WLAN) + 1x RS-232/422/485 (ORing IMG-4312-4G)

IMG-4312-4G is an innovative 1 port RS-232/422/485 and 4G LTE cellular Gateway with 2 port 10/100Base-T(X) port. IMG-4312-4G also provide IEEE802.11 b/g/n wifi interface which have 150Mbps link speed. It could be configured to connect to the internet by dialing up 2G/3.5G/LTE cellular modem to fulfill demands of various applications rapidly a. In addition, IMG-4312-4G can also transfer data into 5 host PCs simultaneously for backup purposes. In addition, IMG-4312+-4G also provides P.D. feature on ETH1 port which is fully compliant with IEEE802.3af PoE P.D. specification Therefore, IMG-4312-4G is one of the best solutions for applications of wireless and serial communication.

Physical Ports
10/100 Base-T(X) Ports RJ-45 Auto MDI/MDIX: 2
SIM Card Slot: 1 (Only Mini SIM without adapter)
WLAN interface
Antenna Connector: 1 x RP-SMA Female
Modulation IEEE802.11b: CCK, DQPSK, DBPSK
Modulation IEEE802.11g/n: OFDM with BPSK, QPSK, 16QAM, 64QAM
Frequency Band: 2.412~2.472 Ghz
Transmission Rate: IEEE802.11b 1/2/5.5/11 Mbps, IEEE802.11g 6/9/12/18/24/36/48/54 Mbps, IEEE802.11n UP to 150 Mbps
Transmit Power: 802.11b 19dBm +/- 1.5dBm@11Mbps, 802.11g 17dBm +/- 1.5dBm@54Mbps, 802.11gn HT20 16.5dBm +/- 1.5dBm @MCS7, 802.11n HT40 14.5dBm +/- 1.5dBm @MCS7

Serial Device Servers

#06526

Net Price:
171,00 EUR
Unit: pcs

Device server, 1x RS-232/422/485 + 2x 10/100 RJ-45 (LAN) (ORing IDS-312L)

IDS-312L is an innovative secure 1 port RS-232/422/485 to 2 port LAN device server with standard features of device server, such like TCP/IP interface and versatile operation modes: Virtual Com, Serial Tunnel, TCP Server, TCP Client, and UDP. In addition, the Windows untility, DS-Tool, could configure multiple devices and set up the mappings of Virtual Com. On the other hand, IDS-312L can simultaneously transfer data up to 5 redundant host PCs to aovid Ethernet connection breakdown or any host PC fails.
IDS-312L supports RS-232/422/485 and provides dual redundant power inputs, 12~48 VDC, on terminal block to guarantee a non-stop operation. With wide operating temperature, -40~70oC, and rugged IP-30 housing design, IDS-312L series could operate in the harsh industrial environment. Therefore, IDS-312L is the best solution to the high demand of secure serial to Ethernet critical data communication.

Physical Ports
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX: 2
Serial Ports
Connector: DB9 x1
Operation Mode: RS-232, RS-422, RS-485 4/2-wire, can be configured by DS-Tool
Serial Baud Rate: 110 bps to 460.8 Kbps
Data Bits: 7, 8
Parity: odd, even, none, mark, space
Stop Bits: 1, 1.5, 2
RS-232: TxD,RxD,RTS,CTS,DTR,DSR,DCD,RI,GND
RS-422: Tx+,Tx-,Rx+,Rx-,GND
RS-485 (4-wire): Tx+,Tx-,Rx+,Rx-,GND
RS-485 (2-wire): Data+,Data-,GND
Flow Control: XON/XOFF, RTS/CTS, DTR/DSR
Network Protocol: ICMP, IP, TCP, UDP, DHCP, BOOTP, DNS, SNMP V1/V2c, HTTPS

Industrial Transceivers

#08472

Net Price:
19,10 EUR
Unit: pcs

Module, SFP+ 1x 10 Gbps LC MM, 300 m (Wave Optics, WO-PML-9685-300M-I)

Port: 1x 10 Gbps LC MM
TX wavelength: 850 nm
RX wavelength: 850 nm
Max. distance: 300 m
Operating case temperature: -40÷85°C
Cable type: 50/125, 62,5/125
Module type: SFP+
Manufacturer: Wave Optics

#08474

Net Price:
26,00 EUR
Unit: pcs

Module, SFP+ 1x 10 Gbps LC SM, 10 km (Wave Optics, WO-PSL-9613-010K-I)

Port: 1x 10 Gbps LC SM
TX wavelength: 1310 nm
RX wavelength: 1310 nm
Max. distance: 10 km
Operating case temperature: -40÷85°C
Cable type: 9/125
Module type: SFP+
Manufacturer: Wave Optics

#06732

Net Price:
8,37 EUR
Unit: pcs

Module, SFP 1x 1000 Mbps LC MM, 550 m, Tx:850 nm (WO-SML-1285-550M-I)

Port: 1x 1000 Mbps LC MM
TX wavelength: 850 nm
RX wavelength: 850 nm
Max. distance: 550 m
Cable type: 50/125, 62.5/125, 100/140 µm
Operating temperature: -40°C ÷ 85°C
Module type: SFP

#06752

Net Price:
8,60 EUR
Unit: pcs

Module, SFP 1x 1000 Mbps LC MM, 550 m, Tx:850 nm, w/DDMI diagnostics (WO-SML-1285-550M-DI)

Port: 1x 1000 Mbps LC MM
TX wavelength: 850 nm
RX wavelength: 850 nm
Max. distance: 550 m
Cable type: 50/125, 62.5/125, 100/140 µm
Operating temperature: -40°C ÷ 85°C
DDMI: yes
Module type: SFP

#05949

Net Price:
8,60 EUR
Unit: pcs

Module, SFP 1x 100 Mbps LC MM, 2 km, TX: 1310 nm (WO-SML-0113-002K-I)

Port: 1x 155 Mbps ATM LC MM
TX wavelength: 1310 nm
RX wavelength: 1310 nm
Max. distance: 2 km
Cable type: 50/125, 62.5/125, 100/140 µm
Operating temaperature: -40°C ÷ 85°C
Module type: SFP
Warranty period: 1 year
Supports: SDH/STM-1, SONET/OC-3, Fast Ethernet

#06733

Net Price:
8,37 EUR
Unit: pcs

Module, SFP 1x 1000 Mbps LC SM, 20 km (WO-SSL-1213-020K-I)

Port: 1x 1000 Mbps LC SM
TX wavelength: 1310 nm
RX wavelength: 1310 nm
Max. distance: 20 km
Cable type: 8.3/125, 8.7/125, 9/125, 10/125 µm
Operating temperature: -40°C ÷ 85°C
Module type: SFP

#06753

Net Price:
8,60 EUR
Unit: pcs

Module, SFP 1x 1000 Mbps LC SM, 20 km, w/DDMI diagnostics (WO-SSL-1213-020K-DI)

Port: 1x 1000 Mbps LC SM
TX wavelength: 1310 nm
RX wavelength: 1310 nm
Max. distance: 20 km
Cable type: 8.3/125, 8.7/125, 9/125, 10/125 µm
Operating temperature: -40°C ÷ 85°C
DDMI: yes
Module type: SFP

#08175

Net Price:
11,90 EUR
Unit: pcs

Module, SFP 1x 100 Mbps LC SM, 40 km, Tx:1310 nm, w/DDMI diagnostics (WO-SSL-0113-040K-DI)

Port: 1x 100 Mbps LC SM
TX wavelength: 1310 nm
RX wavelength: 1310 nm
Max. distance: 40 km
Cable type: 8.3/125, 8.7/125, 9/125, 10/125 µm
Operating temperature: -40°C ÷ 85°C
DDMI: yes
Module type: SFP
Warranty period: 1 year

#06754

Net Price:
12,10 EUR
Unit: pcs

Module, SFP 1x 1000 Mbps LC SM, 40 km, w/DDMI diagnostics (WO-SSL-1213-040K-DI)

Port: 1x 1000 Mbps LC SM
TX wavelength: 1310 nm
RX wavelength: 1310 nm
Max. distance: 40 km
Cable type: 50/125, 62.5/125, 100/140 µm
Operating temperature: -40°C ÷ 85°C
DDMI: yes
Module type: SFP
Warranty period: 1 year

#06755

Net Price:
27,40 EUR
Unit: pcs

Module, SFP 1x 1000 Mbps LC SM, 80 km, w/DDMI diagnostics (WO-SSL-1215-080K-DI)

Port: 1x 1000 Mbps LC SM
TX wavelength: 1550 nm
RX wavelength: 1550 nm
Max. distance: 80 km
Cable type: 50/125, 62.5/125, 100/140 µm
Operating temperature: -40°C ÷ 85°C
DDMI: yes
Module type: SFP
Warranty period: 1 year

#06737

Net Price:
13,70 EUR
Unit: pcs

Module, SFP 1x 1000 Mbps SC LM, 20 km, WDM TX:1550 nm (WO-SWS-1215-020K-I)

Port: 1x 1000 Mbps SC SM
TX wavelength: 1550 nm
RX wavelength: 1310 nm
Max. distance: 20 km
Cable type: 8.3/125, 8.7/125, 9/125, 10/125 µm
Wave Division Multiplexing (WDM): yes
Operating temperature: -40°C ÷ 85°C
Module type: SFP
Warranty period: 1 year

#06757

Net Price:
13,70 EUR
Unit: pcs

Module, SFP 1x 1000 Mbps SC LM, 20 km, WDM TX:1550 nm, w/DDMI diagnostics (WO-SWS-1215-020K-DI)

Port: 1x 1000 Mbps SC SM
TX wavelength: 1550 nm
RX wavelength: 1310 nm
Max. distance: 20 km
Cable type: 8.3/125, 8.7/125, 9/125, 10/125 µm
Wave Division Multiplexing (WDM): yes
Operating temperature: -40°C ÷ 85°C
DDMI: yes
Module type: SFP
Warranty period: 1 year

#06756

Net Price:
10,20 EUR
Unit: pcs

Module, SFP 1x 1000 Mbps SC SM, 20 km, WDM TX:1310 nm, w/DDMI diagnostics (WO-SWS-1213-020K-DI)

Port: 1x 1000 Mbps SC SM
TX wavelength: 1310 nm
RX wavelength: 1550 nm
Max. distance: 20 km
Cable type: 8.3/125, 8.7/125, 9/125, 10/125 µm
Wave Division Multiplexing (WDM): yes
Operating temperature: -40°C ÷ 85°C
DDMI: yes
Module type: SFP
Warranty period: 1 year

#06758

Net Price:
13,70 EUR
Unit: pcs

Module, SFP 1x 1000 Mbps SC SM, 40 km, WDM TX:1310 nm, w/DDMI diagnostics (WO-SWS-1213-040K-DI)

Port: 1x 1000 Mbps SC SM
TX wavelength: 1310 nm
RX wavelength: 1550 nm
Max. distance: 40 km
Cable type: 8.3/125, 8.7/125, 9/125, 10/125 µm
Wave Division Multiplexing (WDM): yes
Operating temperature: -40°C ÷ 85°C
DDMI: yes
Module type: SFP
Warranty period: 1 year

#06759

Net Price:
15,80 EUR
Unit: pcs

Module, SFP 1x 1000 Mbps SC SM, 40 km, WDM TX:1550 nm, w/DDMI diagnostics (WO-SWS-1215-040K-DI)

Port: 1x 1000 Mbps SC SM
TX wavelength: 1550 nm
RX wavelength: 1310 nm
Max. distance: 40 km
Cable type: 8.3/125, 8.7/125, 9/125, 10/125 µm
Wave Division Multiplexing (WDM): yes
Operating temperature: -40°C ÷ 85°C
DDMI: yes
Module type: SFP
Warranty period: 1 year

#08475

Net Price:
19,10 EUR
Unit: pcs

Module, SFP 1x 10/100/1000 Mbps RJ-45 (Wave Optics, WO-SRL-1210-100M-I)

Port: 1x 10/100/1000 Mbps RJ-45
Max. distance: 100 m
Cable type: UTP/STP cat. 5
Temperature range: -40°C ÷ 85°C
Module type: SFP
Manufacturer: Wave Optics

Industrial Power Supplies

#08402

Net Price:
76,40 EUR
Unit: pcs

Power supply 120W 12VDC, P.F.C., DIN TS35 (Mean Well WDR-120-12)

DIN rail Mean Well WDR series meets the highest standards and criteria, so that it can be used to work in the industrial automation systems, machine control, power, lighting and a wide range of devices.

PSU device is enclosed in a metal housing that is resistant to low and high temperatures.

The power supply is cooled by the free flow of air, making it a highly fault-free - this is a very important feature when power supply is working continuously.

Output
DC Voltage: 12V
Rated current: 10A
Current Range: 0÷10A
Rated Power: 120W
Ripple & noise (max.): 120mVp-p
Voltage adjustment range: 12÷15V
Voltage tolerance: +/-1.5%
Line regulation: +/-0.5%
Load regulation: +/-0.5%
Setup & rise time: 2000ms & 70ms/400VAC at full load, 2000ms & 70ms/230VAC at full load
Hold up time (typ.): 50ms/400VAC at full load, 50ms/230VAC at full load
Input
Voltage range: 180÷550VAC, 254÷780VDC
Frequency range: 47÷63Hz
Efficiency (typ.): 89,5%
AC current (typ.): 0.55A/115VAC, 1.2A/230VAC

#08405

Net Price:
148,00 EUR
Unit: pcs

Power supply 240W 24VDC, P.F.C., DIN TS35 (Mean Well WDR-240-24)

DIN rail Mean Well WDR series meets the highest standards and criteria, so that it can be used to work in the industrial automation systems, machine control, power, lighting and a wide range of devices.

PSU device is enclosed in a metal housing that is resistant to low and high temperatures.

The power supply is cooled by the free flow of air, making it a highly fault-free - this is a very important feature when power supply is working continuously.

Output
DC Voltage: 24V
Rated current: 10A
Current Range: 0÷10A
Rated Power: 240W
Ripple & noise (max.): 150mVp-p
Voltage adjustment range: 24÷28V
Voltage tolerance: +/-1.0%
Line regulation: +/-0.5%
Load regulation: +/-1.0%
Setup & rise time: 800ms & 150ms/400VAC at full load, 1500ms & 150ms/230VAC at full load
Hold up time (typ.): 18ms/400VAC at full load, 18ms/230VAC at full load
Input
Voltage range: 180÷550VAC, 254÷780VDC
Frequency range: 47÷63Hz
Efficiency (typ.): 91%
AC current (typ.): 1A/400VAC, 2A/230VAC

#08407

Net Price:
215,00 EUR
Unit: pcs

Power supply 480W 24VDC, P.F.C., DIN TS35 (Mean Well WDR-480-24)

DIN rail Mean Well WDR series meets the highest standards and criteria, so that it can be used to work in the industrial automation systems, machine control, power, lighting and a wide range of devices.

PSU device is enclosed in a metal housing that is resistant to low and high temperatures.

The power supply is cooled by the free flow of air, making it a highly fault-free - this is a very important feature when power supply is working continuously.

Output
DC Voltage: 24V
Rated current: 20A
Current Range: 0÷20A
Rated Power: 480W
Ripple & noise (max.): 100mVp-p
Voltage adjustment range: 24÷28V
Voltage tolerance: +/-1.0%
Line regulation: +/-0.5%
Load regulation: +/-1.0%
Setup & rise time: 800ms & 150ms/400VAC at full load, 2000ms & 150ms/230VAC at full load
Hold up time (typ.): 18ms/400VAC at full load, 16ms/230VAC at full load
Input
Voltage range: 180÷550VAC, 254÷780VDC
Frequency range: 47÷63Hz
Efficiency (typ.): 92%
AC current (typ.): 1.6A/400VAC, 4A/230VAC

#06674

Net Price:
12,40 EUR
Unit: pcs

Power supply 10W 24VDC, mini, DIN TS35 (Mean Well MDR-10-24)

DIN rail Mean Well MDR series meets the highest standards and criteria, so that it can be used to work in the industrial automation systems, machine control, power, lighting and a wide range of devices.

The power supply is cooled by free air flow, making it a highly fault-free - a very important feature when power supply is working continuously. Operating temperature for this model ranges from -20 to +70 degrees Celsius.
Moreover, the PSU has an overload protection 105-160% of the nominal value.

Output
DC Voltage: 24V
Rated current: 0.42A
Current Range: 0÷0.42A
Rated Power: 10W
Ripple & noise (max.): 150mVp-p
Voltage tolerance: +/-2.0%
Line regulation: +/-1.0%
Load regulation: +/-2.0%
Setup & rise time: 500ms & 30ms/230VAC at full load, 1000ms & 30ms/115VAC at full load
Hold up time (typ.): 120ms/230VAC at full load, 25ms/115VAC at full load
Input
Voltage range: 85÷264VAC, 120÷370VDC
Frequency range: 47÷63Hz
Efficiency (typ.): 84%
AC current (typ.): 0.33A/115VAC, 0.21A/230VAC

#06675

Net Price:
11,20 EUR
Unit: pcs

Power supply 24W 24VDC, mini, DIN TS35 (Mean Well MDR-20-24)

DIN rail Mean Well MDR series meets the highest standards and criteria, so that it can be used to work in the industrial automation systems, machine control, power, lighting and a wide range of devices.

The power supply is cooled by free air flow, making it a highly fault-free - a very important feature when power supply is working continuously. Operating temperature for this model ranges from -20 to +70 degrees Celsius.
Moreover, the PSU has an overload protection 105-160% of the nominal value.

Output
DC Voltage: 24V
Rated current: 1A
Current Range: 0÷1A
Rated Power: 24W
Ripple & noise (max.): 150mVp-p
Voltage adjustment range: 21.6÷26.4V
Voltage tolerance: +/-1.0%
Line regulation: +/-1.0%
Load regulation: +/-1.0%
Setup & rise time: 500ms & 30ms/230VAC at full load, 1000ms & 30ms/115VAC at full load
Hold up time (typ.): 50ms/230VAC at full load, 20ms/115VAC at full load
Input
Voltage range: 85÷264VAC, 120÷370VDC
Frequency range: 47÷63Hz
Efficiency (typ.): 84%
AC current (typ.): 0.55A/115VAC, 0.35A/230VAC

#06676

Net Price:
18,60 EUR
Unit: pcs

Power supply 40W 24VDC, mini, DIN TS35 (Mean Well MDR-40-24)

DIN rail Mean Well MDR series meets the highest standards and criteria, so that it can be used to work in the industrial automation systems, machine control, power, lighting and a wide range of devices.

The power supply is cooled by free air flow, making it a highly fault-free - a very important feature when power supply is working continuously. Operating temperature for this model ranges from -20 to +70 degrees Celsius.
Moreover, the PSU has an overload protection 105-160% of the nominal value.

Output
DC Voltage: 24V
Rated current: 1.7A
Current Range: 0÷1.7A
Rated Power: 40.8W
Ripple & noise (max.): 150mVp-p
Voltage adjustment range: 24÷30V
Voltage tolerance: +/-1.0%
Line regulation: +/-1.0%
Load regulation: +/-1.0%
Setup & rise time: 500ms & 30ms/230VAC at full load, 500ms & 30ms/115VAC at full load
Hold up time (typ.): 50ms/230VAC at full load, 20ms/115VAC at full load
Input
Voltage range: 85÷264VAC, 120÷370VDC
Frequency range: 47÷63Hz
Efficiency (typ.): 88%
AC current (typ.): 1.1A/115VAC, 0.7A/230VAC

#06677

Net Price:
20,20 EUR
Unit: pcs

Power supply 60W 24VDC, mini, DIN TS35 (Mean Well MDR-60-24)

DIN rail Mean Well MDR series meets the highest standards and criteria, so that it can be used to work in the industrial automation systems, machine control, power, lighting and a wide range of devices.

The power supply is cooled by free air flow, making it a highly fault-free - a very important feature when power supply is working continuously. Operating temperature for this model ranges from -20 to +70 degrees Celsius.
Moreover, the PSU has an overload protection 105-160% of the nominal value.

Output
DC Voltage: 24V
Rated current: 2.5A
Current Range: 0÷2.5A
Rated Power: 60W
Ripple & noise (max.): 150mVp-p
Voltage adjustment range: 24÷30V
Voltage tolerance: +/-1.0%
Line regulation: +/-1.0%
Load regulation: +/-1.0%
Setup & rise time: 500ms & 30ms/230VAC at full load, 500ms & 30ms/115VAC at full load
Hold up time (typ.): 50ms/230VAC at full load, 20ms/115VAC at full load
Input
Voltage range: 85÷264VAC, 120÷370VDC
Frequency range: 47÷63Hz
Efficiency (typ.): 88%
AC current (typ.): 1.8A/115VAC, 1A/230VAC

#06910

Net Price:
12,10 EUR
Unit: pcs

Power supply 15W 24VDC, DIN TS35 (Mean Well HDR-15-24)

Output
DC Voltage: 24V
Rated current: 0.63A
Rated Power: 15W
Ripple & noise (max.): 150mVp-p
Voltage adjustment range: 21.6÷29.0V
Voltage tolerance: +/-1.0%
Line regulation: +/-1.0%
Load regulation: +/-1.0%
Input
Voltage range: 85÷264VAC, 120÷370VDC
Efficiency (typ.): 86%
Protection
Overload: 105%÷160% rated output power, protection type - constant current limiting - recovers automatically
Overvoltage: 115%÷150%, protection type - shut down , clamp by zener diode
Environment
Working temperature: -30°C ÷ 70°C

#06911

Net Price:
14,80 EUR
Unit: pcs

Power supply 30W 24VDC, DIN TS35 (Mean Well HDR-30-24)

Output
DC Voltage: 24V
Rated current: 1.5A
Current Range: 0÷1.5A
Rated Power: 30W
Ripple & noise (max.): 150mVp-p
Voltage adjustment range: 21.6÷29.0V
Voltage tolerance: +/-1.0%
Line regulation: +/-1.0%
Load regulation: +/-1.0%
Input
Voltage range: 85÷264VAC, 120÷370VDC
Efficiency (typ.): 89%
Protection
Overload: 105%÷160% rated output power, protection type - constant current limiting - recovers automatically
Overvoltage: 115%÷150%, protection type - shut down & re-power on to recover

#06912

Net Price:
20,00 EUR
Unit: pcs

Power supply 60W 24VDC, DIN TS35 (Mean Well HDR-60-24)

Output
DC Voltage: 24V
Rated current: 2.5A
Current Range: 0÷2.5A
Rated Power: 60W
Ripple & noise (max.): 150mVp-p
Voltage adjustment range: 21.6÷29.0V
Voltage tolerance: +/-1.0%
Line regulation: +/-1.0%
Load regulation: +/-1.0%
Input
Voltage range: 85÷264VAC, 120÷370VDC
Efficiency (typ.): 60%
Protection
Overload: 105%÷160% rated output power, protection type - constant current limiting - recovers automatically
Overvoltage: 115%÷150%, protection type - shut down & re-power on to recover

#06669

Net Price:
20,00 EUR
Unit: pcs

Power supply 60W 48VDC, DIN TS35 (Mean Well HDR-60-48)

Output
DC Voltage: 48V
Rated current: 1.25A
Current Range: 0÷1.25A
Rated Power: 60W
Ripple & noise (max.): 240mVp-p
Voltage adjustment range: 43.2÷55.2V
Voltage tolerance: +/-1.0%
Line regulation: +/-1.0%
Load regulation: +/-1.0%
Input
Voltage range: 85÷264VAC, 120÷370VDC
Efficiency (typ.): 91%
Protection
Overload: 105%÷160% rated output power, protection type - constant current limiting - recovers automatically
Overvoltage: 115%÷150%, protection type - shut down & re-power on to recover

#06694

Net Price:
28,60 EUR
Unit: pcs

Power supply 100W 24VDC, DIN TS35 (Mean Well HDR-100-24)

Output
DC Voltage: 24V
Rated current: 3,83A
Current Range: 0÷3,83A
Rated Power: 100W
Ripple & noise (max.): 150mVp-p
Voltage adjustment range: 21.6÷29.0V
Voltage tolerance: +/-1.0%
Line regulation: +/-1.0%
Load regulation: +/-1.0%
Input
Voltage range: 85÷264VAC, 120÷370VDC
Efficiency (typ.): 90%
Protection
Overload: 102%÷110% rated output power, protection type - constant current limiting - recovers automatically
Environment
Working temperature: -30°C ÷ 70°C
Vibration (component): 10÷500Hz, 2G 10min./1cycle, 60min. each along X Y Z axes

#06670

Net Price:
28,60 EUR
Unit: pcs

Power supply 100W 48VDC, DIN TS35 (Mean Well HDR-100-48)

Output
DC Voltage: 48V
Rated current: 1.92A
Current Range: 0÷1.92A
Rated Power: 100W
Ripple & noise (max.): 240mVp-p
Voltage adjustment range: 48.0÷48.7V
Voltage tolerance: +/-1.0%
Line regulation: +/-1.0%
Load regulation: +/-1.0%
Input
Voltage range: 85÷264VAC, 120÷370VDC
Efficiency (typ.): 90%
Protection
Overload: 102%÷110% rated output power, protection type - constant current limiting - recovers automatically
Environment
Working temperature: -30°C ÷ 70°C
Vibration (component): 10÷500Hz, 2G 10min./1cycle, 60min. each along X Y Z axes

#08396

Net Price:
55,70 EUR
Unit: pcs

Power supply 120W 24VDC, DIN TS35, P.F.C. (Mean Well SDR-120-24)

DIN rail Mean Well SDR series meets the highest standards and criteria, so that it can be used to work in the industrial automation systems, machine control, power, lighting and a wide range of devices.

PSU device is enclosed in a metal housing that is resistant to low and high temperatures. Power supplies of this group can withstand a load of 150% of the rated power for 3 seconds.

The power supply is cooled by the free flow of air, making it a highly fault-free - this is a very important feature when power supply is working continuously.

Output
DC Voltage: 24V
Rated current: 5A
Current Range: 0÷5A
Rated Power: 120W
Ripple & noise (max.): 100mVp-p
Voltage adjustment range: 24÷28V
Voltage tolerance: +/-1.0%
Line regulation: +/-0.5%
Load regulation: +/-1.0%
Setup & rise time: 1500ms & 60ms/230VAC at full load, 3000ms & 40ms/115VAC at full load
Hold up time (typ.): 20ms/230VAC at full load, 20ms/115VAC at full load
Input
Voltage range: 88÷264VAC, 124÷370VDC
Frequency range: 47÷63Hz
Power factor (typ.): 0.93/230VAC at full load, 0.96/115VAC at full load

#06695

Net Price:
36,20 EUR
Unit: pcs

Power supply 150W 24VDC, DIN TS35 (Mean Well HDR-150-24)

Output
DC Voltage: 24V
Rated current: 6,25A
Current Range: 0÷6,2A
Rated Power: 150W
Ripple & noise (max.): 150mVp-p
Voltage adjustment range: 21.6÷29.0V
Voltage tolerance: +/-1.0%
Line regulation: +/-1.0%
Load regulation: +/-1.0%
Input
Voltage range: 85÷264VAC, 120÷370VDC
Efficiency (typ.): 90,5%
Protection
Overload: 105%÷130% rated output power, protection type - constant current limiting - recovers automatically
Environment
Working temperature: -30°C ÷ 70°C
Vibration (component): 10÷500Hz, 2G 10min./1cycle, 60min. each along X Y Z axes

#08398

Net Price:
93,60 EUR
Unit: pcs

Power supply 240W 24VDC, DIN TS35, P.F.C. (Mean Well SDR-240-24)

DIN rail Mean Well SDR series meets the highest standards and criteria, so that it can be used to work in the industrial automation systems, machine control, power, lighting and a wide range of devices.

PSU device is enclosed in a metal housing that is resistant to low and high temperatures. Power supplies of this group can withstand a load of 150% of the rated power for 3 seconds.

The power supply is cooled by the free flow of air, making it a highly fault-free - this is a very important feature when power supply is working continuously.

Output
DC Voltage: 24V
Rated current: 10A
Current Range: 0÷10A
Rated Power: 240W
Ripple & noise (max.): 100mVp-p
Voltage adjustment range: 24÷28V
Voltage tolerance: +/-1.0%
Line regulation: +/-0.5%
Load regulation: +/-1.0%
Setup & rise time: 1500ms & 60ms/230VAC at full load, 3000ms & 40ms/115VAC at full load
Hold up time (typ.): 20ms/230VAC at full load, 20ms/115VAC at full load
Input
Voltage range: 88÷264VAC, 124÷370VDC
Frequency range: 47÷63Hz
Power factor (typ.): 0.93/230VAC at full load, 0.96/115VAC at full load

#08399

Net Price:
115,00 EUR
Unit: pcs

Power supply 240W 48VDC, DIN TS35, P.F.C. (Mean Well SDR-240-48)

DIN rail Mean Well SDR series meets the highest standards and criteria, so that it can be used to work in the industrial automation systems, machine control, power, lighting and a wide range of devices.

PSU device is enclosed in a metal housing that is resistant to low and high temperatures. Power supplies of this group can withstand a load of 150% of the rated power for 3 seconds.

The power supply is cooled by the free flow of air, making it a highly fault-free - this is a very important feature when power supply is working continuously.

Output
DC Voltage: 48V
Rated current: 5A
Current Range: 0÷5A
Rated Power: 240W
Ripple & noise (max.): 120mVp-p
Voltage adjustment range: 48÷55V
Voltage tolerance: +/-1.0%
Line regulation: +/-0.5%
Load regulation: +/-1.0%
Setup & rise time: 1500ms & 60ms/230VAC at full load, 3000ms & 40ms/115VAC at full load
Hold up time (typ.): 20ms/230VAC at full load, 20ms/115VAC at full load
Input
Voltage range: 88÷264VAC, 124÷370VDC
Frequency range: 47÷63Hz
Power factor (typ.): 0.93/230VAC at full load, 0.96/115VAC at full load

#08397

Net Price:
55,70 EUR
Unit: pcs

Power supply 120W 48VDC, DIN TS35, P.F.C. (Mean Well SDR-120-48)

DIN rail Mean Well SDR series meets the highest standards and criteria, so that it can be used to work in the industrial automation systems, machine control, power, lighting and a wide range of devices.

PSU device is enclosed in a metal housing that is resistant to low and high temperatures. Power supplies of this group can withstand a load of 150% of the rated power for 3 seconds.

The power supply is cooled by the free flow of air, making it a highly fault-free - this is a very important feature when power supply is working continuously.

Output
DC Voltage: 48V
Rated current: 2.5A
Current Range: 0÷2.5A
Rated Power: 120W
Ripple & noise (max.): 120mVp-p
Voltage adjustment range: 48÷55V
Voltage tolerance: +/-1.0%
Line regulation: +/-0.5%
Load regulation: +/-1.0%
Setup & rise time: 1500ms & 60ms/230VAC at full load, 3000ms & 40ms/115VAC at full load
Hold up time (typ.): 20ms/230VAC at full load, 20ms/115VAC at full load
Input
Voltage range: 88÷264VAC, 124÷370VDC
Frequency range: 47÷63Hz
Power factor (typ.): 0.93/230VAC at full load, 0.96/115VAC at full load

#08400

Net Price:
150,00 EUR
Unit: pcs

Power supply 480W 24VDC, DIN TS35, P.F.C. (Mean Well SDR-480-24)

DIN rail Mean Well SDR series meets the highest standards and criteria, so that it can be used to work in the industrial automation systems, machine control, power, lighting and a wide range of devices.

PSU device is enclosed in a metal housing that is resistant to low and high temperatures. Power supplies of this group can withstand a load of 150% of the rated power for 3 seconds.

The power supply is cooled by the free flow of air, making it a highly fault-free - this is a very important feature when power supply is working continuously.

Output
DC Voltage: 24V
Rated current: 20A
Current Range: 0÷20A
Rated Power: 480W
Ripple & noise (max.): 100mVp-p
Voltage adjustment range: 24÷28V
Voltage tolerance: +/-1.2%
Line regulation: +/-0.5%
Load regulation: +/-1.0%
Setup & rise time: 1500ms & 60ms/230VAC at full load, 3000ms & 40ms/115VAC at full load
Hold up time (typ.): 14ms/230VAC at full load, 20ms/115VAC at full load
Input
Voltage range: 90÷264VAC, 127÷370VDC
Frequency range: 47÷63Hz
Power factor (typ.): 0.94/230VAC at full load, 0.99/115VAC at full load

#08401

Net Price:
150,00 EUR
Unit: pcs

Power supply 480W 48VDC, DIN TS35, P.F.C. (Mean Well SDR-480-48)

DIN rail Mean Well SDR series meets the highest standards and criteria, so that it can be used to work in the industrial automation systems, machine control, power, lighting and a wide range of devices.

PSU device is enclosed in a metal housing that is resistant to low and high temperatures. Power supplies of this group can withstand a load of 150% of the rated power for 3 seconds.

The power supply is cooled by the free flow of air, making it a highly fault-free - this is a very important feature when power supply is working continuously.

Output
DC Voltage: 48V
Rated current: 10A
Current Range: 0÷10A
Rated Power: 480W
Ripple & noise (max.): 120mVp-p
Voltage adjustment range: 48÷55V
Voltage tolerance: +/-1.2%
Line regulation: +/-0.5%
Load regulation: +/-1.0%
Setup & rise time: 1500ms & 60ms/230VAC at full load, 3000ms & 40ms/115VAC at full load
Hold up time (typ.): 14ms/230VAC at full load, 20ms/115VAC at full load
Input
Voltage range: 90÷264VAC, 127÷370VDC
Frequency range: 47÷63Hz
Power factor (typ.): 0.94/230VAC at full load, 0.99/115VAC at full load

Other accessories

#07995

Net Price:
182,00 EUR
Unit: pcs

Industrial Gigabit High Power Injector, 2x10/1000 RJ-45 PoE + 2x10/1000 RJ-45 (ORing INJ-102GT++)

The INJ-102GT++ PoE Injector series is not only an IEEE802.3at compliant device but also an advanced high power PoE injector. It is intelligent detection that provided 2-ports 10/100/1000Base-T (X) PoE outputs. The device does not turn on power until it detects a valid PoE signature from the PoE devices attached downstream on the Ethernet cable. This protection against damage to non-PoE compliant equipment which may be connected to the Ethernet cable. Therefore, only an IEEE 802.3at/802.3af compliant device can be powered with the INJ-102GT++ PoE Injector. Typically in Gigabit networks the maximum allowable CAT5 cable length is about 100 meters, due to the limitation of the Ethernet standards. Because of its 24~57VDC power input with boosting circuit, the total output power can be up to 180Watts[Note2] for all ports usage. The installer doesn't need to worry about voltage drops caused by cable length. The INJ-102GT++ PoE Injector can function with any PoE P.D. equipment which is fully compliant with the IEEE 802.3at/802.3af PoE standards.

Note1: The equipment being powered must be fully IEEE 802.3at/802.3af compliant in order for the power supply to be able to sense the PoE devices signature and apply power. Power is supplied on Ethernet pins 1/2 (V+) and 3/6 (V-).

Note 2: LTPoE++TM PSE technology is applied on this product. Only when an LTPoE++ TM Powered Device (PD) is attached can the PSE port deliver up to 180W of output power.

Physical Ports
10/100/1000Base-T(X) in RJ-45 Ethernet Port Input: 2
10/100/1000Base-T(X) in RJ-45 Ethernet Port with P.S.E. Output: 2
Operating Voltage
Input Voltage: 50 ~ 57 VDC / 4-pin terminal block
Output Power: 57V / 3157mA, 180 Watts max. Per port
LED Indicators
Power indicator: PWR / Ready 1 x LED, Green On - Power is on and functioning Normally
PoE Indicators: 2 x LED, Blue On - PoE Device Link, Blue Off - None PoE Device Detected
Protection
Short Circuit Protection: present
Over Load Protection: present

#07970

Net Price:
159,00 EUR
Unit: pcs

Industrial Gigabit PoE Splitter, 1x10/1000 RJ-45 PoE + 1x10/1000 RJ-45 (ORing SPL-101GT)

SPL-101GT is a high power PoE Splitter for use in Power over Ethernet systems. With Ethernet Input (data + power) port and Output (data only) port, SPL-101GT may split power from existing LAN cable and convert up to 24VDC/1.25A for power hungry applications such as Wireless APs, Security cameras and IP Phones. The internal current limit, short-circuit and overload protection are implemented for use as a DC power supply.

Physical Ports
10/100/1000Base-T(X) in RJ-45 Ethernet Port Input: 1
10/100/1000Base-T(X) in RJ-45 Ethernet Port with P.S.E. Output: 1
Operating Voltage
Input Voltage: 36 ~ 57 VDC / 4-pin terminal block
Output Power: 24V / 1.25mA, 30 Watts max. Per port
LED Indicators
Power indicator: PWR / Ready 1 x LED, Blue On - Power is on and is functioning Normally
Protection
Short Circuit Protection: present
Over Load Protection: present
Isolation Protection: 1500V
Physical Characteristic
Enclosure: IP-30

#04536

Net Price:
884,00 EUR
Unit: pcs

Network Management Utility (Oring Open Vision v3.6 M50)

A powerful management utility is important for administrators to monitor and manage all devices in a local network.

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If you have any questions
please contact
our Sales Department:

Head Office Opole
tel. +48 (77) 455 60 76
fax +48 (77) 455 80 56
e-mail: cust@atel.com.pl