# EDS-G512E Series

### 12G-port (with 8 PoE+ ports option) full Gigabit managed Ethernet switches



#### **Features and Benefits**

- 8 IEEE 802.3af and IEEE 802.3at PoE+ standard ports
- 36-watt output per PoE+ port in high-power mode
- Turbo Ring and Turbo Chain (recovery time < 50 ms @ 250 switches), RSTP/ STP, and MSTP for network redundancy
- RADIUS, TACACS+, MAB Authentication, SNMPv3, IEEE 802.1X, MAC ACL. HTTPS, SSH, and sticky MAC-addresses to enhance network security
- · Security features based on IEC 62443
- EtherNet/IP, PROFINET, and Modbus TCP protocols supported for device management and monitoring
- Supports MXstudio for easy, visualized industrial network management
- V-ON™ ensures millisecond-level multicast data and video network recovery

#### Certifications









#### Introduction

The EDS-G512E Series is equipped with 12 Gigabit Ethernet ports and up to 4 fiber-optic ports, making it ideal for upgrading an existing network to Gigabit speed or building a new full Gigabit backbone. It also comes with 8 10/100/1000BaseT(X), 802.3af (PoE), and 802.3at (PoE+)-compliant Ethernet port options to connect high-bandwidth PoE devices. Gigabit transmission increases bandwidth for higher performance and transfers large amounts of triple-play services across a network quickly.

Redundant Ethernet technologies such as Turbo Ring, Turbo Chain, RSTP/STP, and MSTP increase the reliability of your system and improve the availability of your network backbone. The EDS-G512E Series is designed specifically for communication demanding applications, such as video and process monitoring, ITS, and DCS systems, all of which can benefit from a scalable backbone construction.

#### Additional Features and Benefits

- · Command line interface (CLI) for quickly configuring major managed functions
- Advanced PoE management function (PoE port setting, PD failure check, and PoE scheduling)
- DHCP Option 82 for IP address assignment with different policies
- Supports EtherNet/IP, PROFINET, and Modbus TCP protocols for device management and monitoring
- IGMP snooping and GMRP for filtering multicast traffic
- · Port-based VLAN, IEEE 802.1Q VLAN, and GVRP to ease network
- Supports the ABC-02-USB (Automatic Backup Configurator) for system configuration backup/restore and firmware upgrade
- · Port mirroring for online debugging

- QoS (IEEE 802.1p/1Q and TOS/DiffServ) to increase determinism
- · Port Trunking for optimum bandwidth utilization
- RADIUS, TACACS+, MAB Authentication, SNMPv3, IEEE 802.1X, MAC ACL, HTTPS, SSH, and sticky MAC address to enhance network security
- SNMPv1/v2c/v3 for different levels of network management
- · RMON for proactive and efficient network monitoring
- Bandwidth management to prevent unpredictable network status
- · Lock port function for blocking unauthorized access based on MAC
- · Automatic warning by exception through email and relay output

### **Specifications**

### Input/Output Interface

The state of the s	
Alarm Contact Channels	1, Relay output with current carrying capacity of 1 A @ 24 VDC
Buttons	Reset button
Digital Input Channels	1
Digital Inputs	+13 to +30 V for state 1 -30 to +3 V for state 0 Max. input current: 8 mA



EDS-G512E-AGSFP: 8	Ethernet Interface	
Standards   IEEE 802.3 for 10BaseT   IEEE 802.3 for 10BaseTX   IEEE 802.3 ab for 100BaseTX   IEEE 802.1 ab for Spanning Tree Protocol   IEEE 802.1 ab for Rapid Spanning Tree Protocol   IEEE 802.1 ab for Rapid Spanning Tree Protocol   IEEE 802.1 ab for Class of Service   IEEE 802.1 ab for Rapid Spanning Tree Protocol   IEEE 802.1 ab for Rapid Spanning Tree Protocol   IEEE 802.1 ab for Rapid Spanning Tree Protocol   IEEE 802.1 ab for Port Trunk with LACP    Ethernet Software Features   IEEE 802.1 ab for Port Trunk with LACP   IEEE 802.1 ab for Port Trunk with LACP    Ethernet Software Features   IEEE 802.1 ab for Port Trunk with LACP   IEEE 802.1 ab for Port Trunk with LACP    Ethernet Software Features   IEEE 802.1 ab for Port Trunk with LACP   IEEE 802.1 ab for Port Trunk with LACP    Ethernet Software Features   IEEE 802.1 ab for Port Trunk with LACP   IEEE 802.1 ab for Port Trunk with LACP    Ethernet Software Features   IEEE 802.1 ab for Port Trunk with LACP   IEEE 802.1 ab for Port Mirror, DHCP Option 66/67/82, DHCP   Server/Client, Fiber check, Flow control, BOOTP, Port Mirror, DHCP Option 66/67/82, DHCP   Server/Client, Fiber check, Flow control, BOOTP, Port Mirror, DHCP Option 66/67/82, DHCP   Server/Client, SHTP   IEEE 802.1 ab for Port Mirror, DHCP Option 66/67/82, DHCP   IEEE 802.1 ab for Port Mirror, DHCP Option 66/67/82, DHCP   IEEE 802.1 ab for Port Mirror, DHCP Option 66/67/82, DHCP   IEEE 802.1 ab for Port Mirror, DHCP Option 66/67/82, DHCP   IEEE 802.1 ab for Port Mirror, DHCP Option 66/67/82, DHCP   IEEE 802.1 ab for Port Mirror, DHCP Option 66/67/82, DHCP   IEEE 802.1 ab for Port Mirror, DHCP Option 66/67/82, DHCP   IEEE 802.1 ab for Port	10/100/1000BaseT(X) Ports (RJ45 connector)	Auto negotiation speed Full/Half duplex mode
IEEE 802.3 for 10BaseT  IEEE 802.3 for 10BaseS  IEEE 802.1 for Sanning Tree Protocol IEEE 802.1 for	PoE Ports (10/100/1000BaseT(X), RJ45 connector)	EDS-G512E-8PoE-4GSFP: 8
IEEE 802.3u for 100BaseTX  IEEE 802.3a for 100BaseTX  IEEE 802.3a for 100BaseTX  IEEE 802.3a for 1000BaseSXIXLVHXZX IEEE 802.3a for 1000BaseSXIXLVHXZX IEEE 802.1v for Rajab Spanning Tree Protocol IEEE 802.1x for Multiple Spanning Tree Protocol IEEE 802.1x for authentication IEEE 802.1x for authentication IEEE 802.1x for authentication IEEE 802.1x for Multiple Spanning Tree Protocol IEEE 802.1x for authentication IEEE 802.1x for authentication, SMTP, IEEE 802.1x for authentication, SMTP, SMMP Inform, SMMPV1/v2c/v3, Syslog, Teinet, TETP  MIB	100/1000BaseSFP Slots	4
Filter 802.1Q VLAN, Port-based VLAN, GVRP, IGMP v1/v2/v3, GMRP  Industrial Protocols EtherNet/IP, Modbus TCP, PROFINET IO Device  Management LLDP, Back Pressure Flow Control, BOOTP, Port Mirror, DHCP Option 66/67/82, DHCP Server/Client, Fiber check, Flow control, IPv4/IPv6, RARP, RMON, SMTP, SNMP Inform, SMMPV1/v2/v3, Syslog, Teinet, TETP  MIB Ethernet-like MIB, MIB-II, Bridge MIB, P-BRIDGE MIB, Q-BRIDGE MIB, RMON MIB Groups 1, 2, 3, 9, RSTP MIB  Redundancy Protocols Link Aggregation, MSTP, RSTP, STP, Turbo Chain, Turbo Ring v1/v2  Security Broadcast storm protection, HTTPS/SSL, TACACS+, SNMPv3, MAB authentication, Sticky MAC, NTP authentication, MAC ACL, Port Lock, RADIUS, SSH, SMTP with TLS  Time Management NTP Server/Client, SNTP  Switch Properties  IGMP Groups 2048  Jumbo Frame Size 9.6 KB  MAC Table Size 8 K  Max. No. of VLANs 256  Packet Buffer Size 4 Mbits  Priority Queues 4  VLAN ID Range VID 1 to 4094  USB Interface	Standards	IEEE 802.3u for 100BaseT(X) and 100BaseFX IEEE 802.3ab for 1000BaseSX/LX/LHX/ZX IEEE 802.3z for 1000BaseSX/LX/LHX/ZX IEEE 802.3x for flow control IEEE 802.1D-2004 for Spanning Tree Protocol IEEE 802.1w for Rapid Spanning Tree Protocol IEEE 802.1s for Multiple Spanning Tree Protocol IEEE 802.1p for Class of Service IEEE 802.1Q for VLAN Tagging IEEE 802.1X for authentication
Industrial Protocols  EtherNet/IP, Modbus TCP, PROFINET IO Device  LLDP, Back Pressure Flow Control, BOOTP, Port Mirror, DHCP Option 66/67/82, DHCP Server/Cilient, Fiber check, Flow control, IPv4/IPv6, RARP, RMON, SMTP, SNMP Inform, SNMPv1/v2c/v3, Syslog, Telnet, TFTP  MIB  Ethernet-like MIB, MIB-II, Bridge MIB, P-BRIDGE MIB, Q-BRIDGE MIB, RMON MIB Groups 1, 2, 3, 9, RSTP MIB  Redundancy Protocols  Link Aggregation, MSTP, RSTP, STP, Turbo Chain, Turbo Ring v1/v2  Security  Broadcast storm protection, HTTPS/SSL, TACACS+, SNMPv3, MAB authentication, Sticky MAC, NTP authentication, MAC ACL, Port Lock, RADIUS, SSH, SMTP with TLS  Time Management  NTP Server/Client, SNTP  Switch Properties  IGMP Groups  2048  Jumbo Frame Size  9.6 KB  MAC Table Size  8 K  Max. No. of VLANs  256  Packet Buffer Size  4 Mbits  Priority Queues  4  VLAN ID Range  VID 1 to 4094  USB Interface	Ethernet Software Features	
Management  LLDP, Back Pressure Flow Control, BOOTP, Port Mirror, DHCP Option 66/67/82, DHCP Server/Client, Fiber check, Flow control, IPv4/IPv6, RARP, RMON, SMTP, SMMP Inform, SMMPv1/v2c/v3, Syslog, Telnet, TFTP  MIB  Ethernet-like MIB, MIB-II, Bridge MIB, P-BRIDGE MIB, Q-BRIDGE MIB, RMON MIB Groups 1, 2, 3, 9, RSTP MIB  Redundancy Protocols  Link Aggregation, MSTP, RSTP, STP, Turbo Chain, Turbo Ring v1/v2  Security  Broadcast storm protection, HTTPS/SSL, TACACS+, SNMPv3, MAB authentication, Sticky MAC, NTP authentication, MAC ACL, Port Lock, RADIUS, SSH, SMTP with TLS  Time Management  NTP Server/Client, SNTP  Switch Properties  IGMP Groups  2048  Jumbo Frame Size  9.6 KB  MAC Table Size  8 K  Max. No. of VLANs  256  Packet Buffer Size  4 Mbits  Priority Queues  4  VLAN ID Range  VID 1 to 4094  USB Interface	Filter	802.1Q VLAN, Port-based VLAN, GVRP, IGMP v1/v2/v3, GMRP
Server/Client, Fiber check, Flow control, IPv4/IPv6, RARP, RMON, SMTP, SNMP Inform, SNMPv1/v2c/v3, Syslog, Telnet, TFTP  MIB	Industrial Protocols	EtherNet/IP, Modbus TCP, PROFINET IO Device
Groups 1, 2, 3, 9, RSTP MIB  Link Aggregation, MSTP, RSTP, STP, Turbo Chain, Turbo Ring v1/v2  Security  Broadcast storm protection, HTTPS/SSL, TACACS+, SNMPv3, MAB authentication, Sticky MAC, NTP authentication, MAC ACL, Port Lock, RADIUS, SSH, SMTP with TLS  Time Management  NTP Server/Client, SNTP  Switch Properties  IGMP Groups  2048  Jumbo Frame Size  9.6 KB  MAC Table Size  8 K  Max. No. of VLANs  256  Packet Buffer Size  4 Mbits  Priority Queues  4  VLAN ID Range  VID 1 to 4094  USB Interface	Management	Server/Client, Fiber check, Flow control, IPv4/IPv6, RARP, RMON, SMTP, SNMP Inform,
Security  Broadcast storm protection, HTTPS/SSL, TACACS+, SNMPv3, MAB authentication, Sticky MAC, NTP authentication, MAC ACL, Port Lock, RADIUS, SSH, SMTP with TLS  Time Management  NTP Server/Client, SNTP  Switch Properties  IGMP Groups  2048  Jumbo Frame Size  9.6 KB  MAC Table Size  8 K  Max. No. of VLANs  256  Packet Buffer Size  4 Mbits  Priority Queues  4  VLAN ID Range  VID 1 to 4094  USB Interface	MIB	
Sticky MAC, NTP authentication, MAC ACL, Port Lock, RADIUS, SSH, SMTP with TLS  Time Management  NTP Server/Client, SNTP  Switch Properties  IGMP Groups  2048  Jumbo Frame Size  9.6 KB  MAC Table Size  8 K  Max. No. of VLANs  256  Packet Buffer Size  4 Mbits  Priority Queues  4  VLAN ID Range  VID 1 to 4094  USB Interface	Redundancy Protocols	Link Aggregation, MSTP, RSTP, STP, Turbo Chain, Turbo Ring v1/v2
Switch Properties IGMP Groups 2048 Jumbo Frame Size 9.6 KB  MAC Table Size 8 K  Max. No. of VLANs 256  Packet Buffer Size 4 Mbits  Priority Queues 4  VLAN ID Range VID 1 to 4094  USB Interface	Security	
IGMP Groups       2048         Jumbo Frame Size       9.6 KB         MAC Table Size       8 K         Max. No. of VLANs       256         Packet Buffer Size       4 Mbits         Priority Queues       4         VLAN ID Range       VID 1 to 4094         USB Interface	Time Management	NTP Server/Client, SNTP
Jumbo Frame Size 9.6 KB  MAC Table Size 8 K  Max. No. of VLANs 256  Packet Buffer Size 4 Mbits  Priority Queues 4  VLAN ID Range VID 1 to 4094  USB Interface	Switch Properties	
MAC Table Size 8 K  Max. No. of VLANs 256  Packet Buffer Size 4 Mbits  Priority Queues 4  VLAN ID Range VID 1 to 4094  USB Interface	IGMP Groups	2048
Max. No. of VLANs  256  Packet Buffer Size  4 Mbits  Priority Queues  4  VLAN ID Range  VID 1 to 4094  USB Interface	Jumbo Frame Size	9.6 KB
Packet Buffer Size 4 Mbits  Priority Queues 4  VLAN ID Range VID 1 to 4094  USB Interface	MAC Table Size	8 K
Priority Queues 4  VLAN ID Range VID 1 to 4094  USB Interface	Max. No. of VLANs	256
VLAN ID Range VID 1 to 4094 USB Interface	Packet Buffer Size	4 Mbits
USB Interface	Priority Queues	4
	VLAN ID Range	VID 1 to 4094
Storage Port USB Type A	USB Interface	
	Storage Port	USB Type A



**LED Interface** 

**LED Indicators** 

PWR1, PWR2, STATE, FAULT, 10/100M (TP port), 1000M (TP port), 100/1000M (SFP port), MSTR/HEAD, CPLR/TAIL, smart PoE LED (EDS-G512E-8PoE-4GSFP Series only)

#### Serial Interface

Serial Interface	
Console Port	USB-serial console (Type B connector)
DIP Switch Configuration	
DIP Switches	Turbo Ring, Master, Coupler, Reserve
Power Parameters	
Connection	2 removable 4-contact terminal block(s)
Input Current	EDS-G512E-4GSFP Series: 0.34 A @ 24 VDC EDS-G512E-8PoE-4GSFP Series: 5.30 A @ 48 VDC
Input Voltage	EDS-G512E-4GSFP Series: 12/24/48/-48 VDC EDS-G512E-8PoE-4GSFP Series: 48 VDC (Both series have redundant dual input)
Operating Voltage	EDS-G512E-4GSFP Series: 9.6 to 60 VDC EDS-G512E-8PoE-4GSFP Series: 44 to 57 VDC (> 50 VDC for PoE+ output recommended)
Overload Current Protection	Supported
Reverse Polarity Protection	Supported
Power Budget	EDS-G512E-8PoE-4GSFP: Max. 240 W for total PD consumption EDS-G512E-8PoE-4GSFP: Max. 36 W for each PoE port
Power Consumption (Max.)	EDS-G512E-8PoE-4GSFP: Max. 14.36 W full loading without PDs' consumption Note: When selecting a power supply, check the PD power consumption.
Physical Characteristics	
Housing	Metal
IP Rating	IP30
Dimensions	79.2 x 135 x 137 mm (3.1 x 5.3 x 5.4 in)
Weight	EDS-G512E-4GSFP: 1,440 g (3.18 lb) EDS-G512E-8PoE-4GSFP: 1,540 g (3.40 lb)
Installation	DIN-rail mounting, Wall mounting (with optional kit)
Environmental Limits	
Operating Temperature	Standard Models: -10 to 60°C (14 to 140°F) Wide Temp. Models: -40 to 75°C (-40 to 167°F)
Storage Temperature (package included)	-40 to 85°C (-40 to 185°F)
Ambient Relative Humidity	5 to 95% (non-condensing)
Standards and Certifications	
Safety	EDS-G512E-4GSFP/EDS-G512E-8PoE-4GSFP Series: UL 508 EDS-G512E-8PoE-4GSFP Series: EN 60950-1 (LVD)
EMC	EN 61000-6-2/-6-4
ЕМІ	CISPR 32, FCC Part 15B Class A
EMS	EDS-G512E-4GSFP: IEC 61000-4-2 ESD: Contact: 8 kV; Air: 15 kV EDS-G512E-4GSFP: IEC 61000-4-3 RS: 80 MHz to 1 GHz: 10 V/m EDS-G512E-8PoE-4GSFP: IEC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m EDS-G512E-4GSFP: IEC 61000-4-4 EFT: Power: 4 kV; Signal: 4 kV EDS-G512E-8PoE-4GSFP: IEC 61000-4-4 EFT: Power: 2 kV; Signal: 2 kV EDS-G512E-4GSFP: IEC 61000-4-5 Surge: Power: 2 kV; Signal: 4 kV EDS-G512E-8PoE-4GSFP: IEC 61000-4-5 Surge: Power: 2 kV; Signal: 4 kV

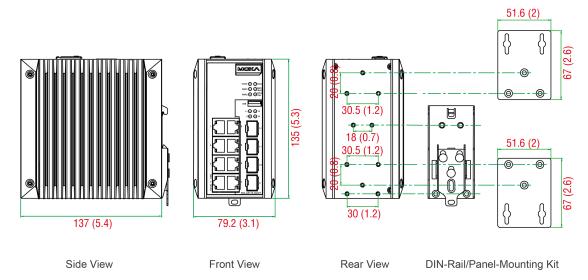


	IEC 61000-4-6 CS: 10 V IEC 61000-4-8 PFMF
Hazardous Locations	EDS-G512E-4GSFP Series: ATEX, Class I Division 2
Maritime	EDS-G512E-4GSFP: DNV-GL, EDS-G512E-4GSFP: LR, EDS-G512E-4GSFP: ABS, EDS-G512E-4GSFP: NK
Power Substation	IEC 61850-3, IEEE 1613
Railway	EN 50121-4
Traffic Control	EDS-G512E-4GSFP: NEMA TS2
Shock	IEC 60068-2-27
Freefall	IEC 60068-2-32
Vibration	IEC 60068-2-6
MTBF	
Time	EDS-G512E-4GSFP Series: 816,823 hrs EDS-G512E-8PoE-4GSFP Series: 361,368 hrs
Standards	Telcordia (Bellcore), GB
Warranty	
Warranty Period	5 years
Details	See www.moxa.com/warranty
Package Contents	
Device	1 x EDS-G512E Series switch
Cable	1 x USB type A male to USB type B male
Installation Kit	4 x cap, plastic, for RJ45 port
Documentation	<ul> <li>1 x quick installation guide</li> <li>1 x warranty card</li> <li>1 x product certificates of quality inspection, Simplified Chinese</li> <li>1 x product notice, Simplified Chinese</li> </ul>
Note	SFP modules need to be purchased separately for use with this product.



### **Dimensions**

Unit: mm (inch)



## **Ordering Information**

Model Name	10/100/1000BaseT(X) Ports, RJ45 Connector	PoE Ports, 10/100/ 1000BaseT(X), RJ45 Connector	IEEE 802.3af/at for PoE/PoE+ Output	100/1000Base SFP Slots	Operating Temp.
EDS-G512E-4GSFP	8	-	-	4	-10 to 60°C
EDS-G512E-4GSFP-T	8	-	-	4	-40 to 75°C
EDS-G512E-8PoE-4GSFP	-	8	✓	4	-10 to 60°C
EDS-G512E-8PoE-4GSFP-T	-	8	✓	4	-40 to 75°C

## **Accessories (sold separately)**

#### Storage Kits

ABC-02-USB	Configuration backup and restoration tool, firmware upgrade, and log file storage tool for managed Ethernet switches and routers, 0 to 60°C operating temperature
ABC-02-USB-T	Configuration backup and restoration tool, firmware upgrade, and log file storage tool for managed Ethernet switches and routers, -40 to 75°C operating temperature
SFP Modules	
SFP-1FELLC-T	SFP module with 1 100Base single-mode with LC connector for 80 km transmission, -40 to 85°C operating temperature
SFP-1FEMLC-T	SFP module with 1 100Base multi-mode with LC connector for 4 km transmission, -40 to 85°C operating temperature
SFP-1FESLC-T	SFP module with 1 100Base single-mode with LC connector for 40 km transmission, -40 to 85°C operating temperature
SFP-1G10ALC	WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 10 km transmission; TX 1310 nm, RX 1550 nm, 0 to 60°C operating temperature
SFP-1G10ALC-T	WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 10 km transmission; TX 1310 nm, RX 1550 nm, -40 to 85°C operating temperature
SFP-1G10BLC	WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 10 km transmission; TX 1550 nm, RX 1310 nm, 0 to 60°C operating temperature
SFP-1G10BLC-T	WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 10 km transmission; TX 1550 nm, RX 1310 nm, -40 to 85°C operating temperature
SFP-1G20ALC	WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 20 km transmission; TX 1310 nm, RX 1550 nm, 0 to 60°C operating temperature

SFP-1G20ALC-T	WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 20 km transmission; TX 1310 nm, RX 1550 nm, -40 to 85°C operating temperature
SFP-1G20BLC	WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 20 km transmission; TX 1550 nm, RX 1310 nm, 0 to 60°C operating temperature
SFP-1G20BLC-T	WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 20 km transmission; TX 1550 nm, RX 1310 nm, -40 to 85°C operating temperature
SFP-1G40ALC	WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 40 km transmission; TX 1310 nm, RX 1550 nm, 0 to 60°C operating temperature
SFP-1G40ALC-T	WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 40 km transmission; TX 1310 nm, RX 1550 nm, -40 to 85°C operating temperature
SFP-1G40BLC	WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 40 km transmission; TX 1550 nm, RX 1310 nm, 0 to 60°C operating temperature
SFP-1G40BLC-T	WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 40 km transmission; TX 1550 nm, RX 1310 nm, -40 to 85°C operating temperature
SFP-1GEZXLC	SFP module with 1 1000BaseEZX port with LC connector for 110 km transmission, 0 to $60^{\circ}$ C operating temperature
SFP-1GEZXLC-120	SFP module with 1 1000BaseEZX port with LC connector for 120 km transmission, 0 to 60°C operating temperature
SFP-1GLHLC	SFP module with 1 1000BaseLH port with LC connector for 30 km transmission, 0 to 60°C operating temperature
SFP-1GLHLC-T	SFP module with 1 1000BaseLH port with LC connector for 30 km transmission, -40 to 85°C operating temperature
SFP-1GLHXLC	SFP module with 1 1000BaseLHX port with LC connector for 40 km transmission, 0 to 60°C operating temperature
SFP-1GLHXLC-T	SFP module with 1 1000BaseLHX port with LC connector for 40 km transmission, -40 to 85°C operating temperature
SFP-1GLSXLC	SFP module with 1 1000BaseLSX port with LC connector for 500 m transmission, 0 to 60°C operating temperature
SFP-1GLSXLC-T	SFP module with 1 1000BaseLSX port with LC connector for 500 m transmission, -40 to 85°C operating temperature
SFP-1GLXLC	SFP module with 1 1000BaseLX port with LC connector for 10 km transmission, 0 to 60°C operating temperature
SFP-1GLXLC-T	SFP module with 1 1000BaseLX port with LC connector for 10 km transmission, -40 to 85°C operating temperature
SFP-1GSXLC	SFP module with 1 1000BaseSX port with LC connector for 300/550 m transmission, 0 to 60°C operating temperature
SFP-1GSXLC-T	SFP module with 1 1000BaseSX port with LC connector for 300/550 m transmission, -40 to 85°C operating temperature
SFP-1GZXLC	SFP module with 1 1000BaseZX port with LC connector for 80 km transmission, 0 to 60°C operating temperature
SFP-1GZXLC-T	SFP module with 1 1000BaseZX port with LC connector for 80 km transmission, -40 to 85°C operating temperature
SFP-1GTXRJ45-T	SFP module with 1 1000BaseT port with RJ45 connector for 100 m transmission, -40 to 75°C operating temperature
Wall-Mounting Kits	
WK-51-01	Wall-mounting kit, 2 plates, 6 screws, 51.6 x 67 x 2 mm
Rack-Mounting Kits	
RK-4U	19-inch rack-mounting kit
Software	
MXview-50	Industrial network management software with a license for 50 nodes (by IP address)
MXview-100	Industrial network management software with a license for 100 nodes (by IP address)
MXview-250	Industrial network management software with a license for 250 nodes (by IP address)



MXview-500	Industrial network management software with a license for 500 nodes (by IP address)
MXview-1000	Industrial network management software with a license for 1000 nodes (by IP address)
MXview-2000	Industrial network management software with a license for 2000 nodes (by IP address)
MXview Upgrade-50	License expansion of MXview industrial network management software by 50 nodes (by IP address)

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