# **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 planning
- Supports the ABC-02-USB (Automatic Backup Configurator) for system configuration backup/restore and firmware upgrade
- Port mirroring for online debugging

**Specifications** 

- 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 address
- Automatic warning by exception through email and relay output

Input/Output Interface	
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
Ethernet Interface	
10/100/1000BaseT(X) Ports (RJ45 connector)	EDS-G512E-4GSFP: 8 Auto negotiation speed Full/Half duplex mode Auto MDI/MDI-X connection EDS-G512E-4GSFP-T: 8 Auto negotiation speed Full/Half duplex mode Auto MDI/MDI-X connection
PoE Ports (10/100/1000BaseT(X), RJ45 connector)	EDS-G512E-8PoE-4GSFP: 8 EDS-G512E-8PoE-4GSFP-T: 8
100/1000BaseSFP Slots	4
Standards	IEEE 802.3 for 10BaseT IEEE 802.3u for 100BaseT(X) and 100BaseFX IEEE 802.3ab for 1000BaseT(X) 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 IEEE 802.3ad for Port Trunk with LACP
Ethernet Software Features	
Filter	802.1Q VLAN BPDU Filter BPDU Guard GMRP GVRP IGMP v1/v2/v3 Port-based VLAN
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 SCP SMTP SNMP Inform SNMPv1/v2c/v3 Syslog Telnet TFTP
МІВ	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 MRP 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	
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	
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 models: 0.34 A @ 24 VDC EDS-G512E-8PoE-4GSFP models: 5.30 A @ 48 VDC
Input Voltage	EDS-G512E-4GSFP models: 12/24/48/-48 VDC EDS-G512E-8PoE-4GSFP models: 48 VDC Redundant dual inputs



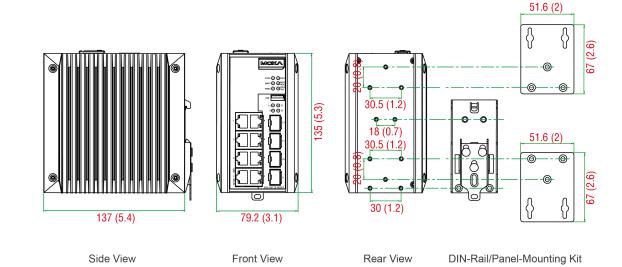
Overload Current ProtectionSupportedReverse Polarity ProtectionSupportedPower EudgetEDS-0512E-8Pot-4GSFP: Max. 14.08 W full loading without PDr' consumption EDS-0512E-8Pot-4GSFP: Max. 14.08 W full loading without PDr' consumption EDS-0512E-8Pot-4GSFP: Max. 14.08 W full loading without PDr' consumption EDS-0512E-8Pot-4GSFP. Ti. Max. 14.08 W full loading without PDr' consumption EDS-0512E-8Pot-4GSFP. Ti. Max. 14.08 W full loading without PDr' consumption EDS-0512E-8Pot-4GSFP. Ti. Max. 14.08 W full loading without PDr' consumption EDS-0512E-8Pot-4GSFP. Ti. Max. 14.08 W full loading without PDr' consumption EDS-0512E-8Pot-4GSFP. Ti. Max. 14.08 W full loading without PDr' consumption EDS-0512E-8Pot-4GSFP. Ti. Max. 14.08 W full loading without PDr' consumption EDS-0512E-8Pot-4GSFP. Ti. Max. 14.08 W full loading without PDr' consumption EDS-0512E-8Pot-4GSFP. Ti. Max. 14.08 W full loading without PDr' consumption EDS-0512E-8Pot-4GSFP. Ti. May. 14.08 W full loading without PDr' consumption EDS-0512E-8Pot-4GSFP. Ti. May. 14.08 W full loading without PDR' consumption EDS-0512E-8Pot-4GSFP. Ti. May. 14.08 W full loading without PDR' EDS-0512E-4DSFP. Ti. May. 14.08 W full loading without PDR' EDS-0	Operating Voltage	EDS-G512E-4GSFP models: 9.6 to 60 VDC EDS-G512E-8PoE-4GSFP models: 44 to 57 VDC (> 50 VDC for PoE+ output recommended)
Power BudgetEDS-G012E-4POE-4GSFP: Max. 240 W for total PD consumption EDS-G012E-4POE-4GSFP: Max. 380 W for each POE portPower Consumption (Max.)EDS-G012E-4POE-4GSFP: Max. 14.30 W till loading without PDe' consumption EDS-G012E-4POE-4GSFP: When selecting a power supply, check the PD power consumption.Physical CharacteristicsMetalProver Consumption (Max.)MetalPhysical CharacteristicsPOBPhysical CharacteristicsPOBProver ConsumptionPOBProver ConsumptionPOBPr	Overload Current Protection	Supported
EDS-G912E-8PoE-4GSFP: Max. 14.38 W Mir each PoE portPower Consumption (Max.)EDS-G912E-8PoE-4GSFP: Max. 14.38 W Mill loading without PDS' consumptionEDS-G912E-8POE-4GSFP: When selecting a power supply, check the PD power consumption.EDS-G912E-8POE-4GSFP: When selecting a power supply, check the PD power consumption.Physical CharacteristicsHousingMetalIP Rating792Dimensions792 x 135 x 137 rm (G.1 x 5.3 x 5.4 in)WeightEDS-G912E-4POE-4GSFP: 1.400 g (3.18 h) EDS-G912E-4POE-4GSFP: 1.400 g (3.40 h)InstallationNi-rail mounting Wall mounting (with optional kit)Environmental LimitsStandard Models: -10 to 60°C (14 to 140°F) Wide Temp. Models: -400 to 75°C (140 to 167°F)Storage Temperature (package included)-40 to 55°C (-40 to 156°F)Storage Temperature (package included)EDS-G912E-4GSFP II: C 0100-42 FSP: To 400 to 167°F)Standard Sand CertificationsEDS-G912E-4GSFP II: C 0100-42 FSP: C 0100-43 FSB: 00 Mirz to 1 GH: 10 Vin EDS-G912E-4GSFP: III: C 0100-42 FSP: C 0	Reverse Polarity Protection	Supported
EDS-G512E-9P0-4G5PP-T: Max. 14.38 M full loading without PDP iconsumptionPhysical CharacteristicsHousingMetalI ReadingMetalI ReadingP30Dimensions79.2 x 135 x 137 mm (3.1 x 5.3 x 5.4 in)WeightEDS-G512E-4G5PF-T: Mean selecting a power supply, check the PD powerWeightEDS-G512E-4G5PF-T: Mean selecting a power supply, check the PD powerWeightEDS-G512E-4G5PF-T: Mean selecting a power supply, check the PD powerWeightEDS-G512E-4G5PF-T: M40 g (3.16 lb)InstallationDIM-rail mounting Will optional kit)Environmental LimitsEDS-G512E-4G5PF-T: M40 g (3.16 lb)Operating Temperature (package included)Standard Modelei: -10 to 60°C (14 to 140°F) Wide Temp. Modelei: -40 to 75°C (-40 to 167°F)Standard S and CertificationsEDS-G512E-4G5PF-1: G512E-4G5FP modelei: LL 0508 EDS-G512E-4G5FP-EDS-G512E-4G5FP modelei: LL 0508 EDS-G512E-4G5FP Modelei: EN 60506-01 (LVD)EMGEN 6100-6-2/-64EMSEDS-G512E-4G5FP-EDS-G512E-4G5FP modelei: LL 0508 EDS-G512E-4G5FP FD extenses: EN 60506-1 (LVD)EMGEN 6100-6-2/-64EMSEDS-G512E-4G5FP-EDS-G512E-4G5FP modelei: LL 0508 EDS-G512E-4G5FP-EDS-G512E-4G5FP Power: 24/S Signal: 24/V EDS-G512E-4G5FP-EDS-G512E-4G5FP Power: 24/S Signal: 24/V EDS-G512E-4G5FP-EDS-G512E-4G5FP Power: 24/S Signal: 24/V EDS-G512E-4G5FP-EDS-G512E-4G5FP Power: 24/S Signal: 24/V EDS-G512E-4G5FP-EDS-G512E-4G5FP-FD extenses: 24/S Signal: 24/V EDS-G512E-4G5FP-EDS-G512E-4G5FP-FD extenses: 24/S Signal: 24/V EDS-G512E-4G5FP-EDS-G512E-4G5FP-FD extenses: 24/S Signal: 24/V EDS-G512E-4G5FP-EDS-G512E-4G5FP-FD extenses: 24/S Signal: 24/V EDS-G512E-4G	Power Budget	
HousingMetalIP RatingIP30Dimensions72.2 x 135 x 137 rm (G.1 x 5.3 x 5.4 in)WeightEDS-G512E-4G5FP: 1,440 g (3.1 lib) EDS-G512E-4D5FP: 1,540 g (3.4 0 ls)InstallationDIM-rail mounting Umounting (With optional kit)InstallationDIM-rail mounting Wide Temp. 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 155°F)Ambient Belative Humidity5 to 95% (non-condensing)Standard Sand CertificationsEDS-G512E-4G5FP (EDS-G512E-4B0E-4G5FP models: UL 508 EDS-G512E-4G5FP EIC 51000-4-3 R8: 80 MHz to 1 GHz: 10 Vim EDS-G512E-4G5FP EIC 51000-4-3 R8: 80 MHz to 1 GHz: 10 Vim EDS-G512E-4G5FP IE CC 61000-4-3 R8: 80 MHz to 1 GHz: 10 Vim EDS-G512E-4G5FP IE CC 61000-4-3 R8: 80 MHz to 1 GHz: 10 Vim EDS-G512E-4G5FP IE CC 61000-4-3 R8: 80 MHz to 1 GHz: 10 Vim EDS-G512E-4G5FP IE CC 61000-4-3 R8: 80 MHz to 1 GHz: 10 Vim EDS-G512E-4G5FP IE CC 61000-4-3 R8: 80 MHz to 1 GHz: 10 Vim EDS-G512E-4G5FP IE CC 61000-4-3 R8: 80 MHz to 1 GHz: 10 Vim EDS-G512E-4G5FP IE CC 61000-4-3 R8: 80 MHz to 1 GHz: 10 Vim EDS-G512E-4G5FP IE CC 61000-4-3 R8: 80 MHz to 1 GHz: 10 Vim EDS-G512E-4G5FP IE CC 61000-4-3 R8: 80 MHz to 1 GHz: 10 Vim EDS-G512E-4G5FP IE CC 61000-4-3 R8: 80 MHz to 1 GHz: 10 Vim EDS-G512E-4G5FP IE CC 61000-4-3 R8: 80 MHz to 1 GHz: 10 Vim EDS-G512E-4G5FP IE CC 61000-4-3 R8: 80 MHz to 1 GHz: 10 Vim EDS-G512E-4G5FP II EC 61000-4-4 RFI: FDower 4 Vi, Signal: 4 Vim EDS-G512E-4G5FP II EC 61000-4-4 RFI: FDower 4 Vi, Signal: 4 Vim EDS-G512E-4G5FP II EC 61000-4-4 RFI: FDower 4 Vi, Signal: 4 Vim EDS-G512E-4G5FP II EC 61000-4-5 Surge Power: 4 Vi, Signal: 4 Vim EDS-G512E-4G5FP II EC 61000-4-5 Surge Power: 4 Vi, Signal: 4 Vim EDS-G512E-4G5FP II EC 6100	Power Consumption (Max.)	EDS-G512E-8PoE-4GSFP-T: Max. 14.36 W full loading without PDs' consumption EDS-G512E-8PoE-4GSFP: When selecting a power supply, check the PD power consumption. EDS-G512E-8PoE-4GSFP-T: When selecting a power supply, check the PD power
IP RatingIP80Dimensions79.2 x 135 x 137 mm (3.1 x 5.3 x 5.4 in)WeightEDS-G512E-4GSFP: 1,440 g (3.18 lb) EDS-G512E-4GSFP: 1,540 g (3.40 lb)InstallationDIN-rail mounting Wall mounting (with optional kit)Environmental LimitsDimensionsOperating TemperatureStandard Models: -10 to 60°C (14 to 140°F) Wide Temp. Models: -10 to 60°C (14 to 140°F) Storage Temperature (backage included)Arbient Relative Humidity5 to 95% (non-condensing)Standard Models: -10 to 60°C (14 to 167°F)Standard S and CertificationsStardard S and CertificationsStardard S and CertificationsStardard S and CertificationsEMSEDS-G512E-4GSFP: EDS-G512E-8P6-4GSFP models: UL 508 EDS-G512E-4GSFP: EDS (1000-4-2 ESD: Contact: 8 KV, Air: 15 KV EDS-G512E-4GSFP: EDS (1000-4-3 RS: 80 MHz to 142: 10 V/m EDS-G512E-4GSFP: EDS (1000-4-3 RS: 80 MHz to 142: 20 V/m EDS-G512E-4GSFP: EDS (1000-4-3 RS: 80 MHz to 142: 20 V/m EDS-G512E-4GSFP: EDS (1000-4-3 RS: 80 MHz to 142: 20 V/m 	Physical Characteristics	
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InstantionInstantion (Figure 10, 10, 10, 10, 10, 10, 10, 10, 10, 10,	IP Rating	IP30
EDS-G612E-8PoE-4GSFP: 1,540 g (3.40 lb)InstallationDIN-rail mounting Wall mounting (with optional kit)Environmental LimitsOperating TemperatureStandard 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 Humidity5 to 95% (non-condensing)Standards and CertificationsSafetyEDS-G512E-4GSFP/EDS-G512E-4DPE-4GSFP models: UL 508 EDS-G512E-4GSFP/EDS-G512E-4DPE-4GSFP models: UL 508 EDS-G512E-4GSFP iEC 6 1000-4-2 RS: 0 MHz to 1 GHz: 10 V/m EDS-G512E-4GSFP: IEC 6 1000-4-2 RS: 0 MHz to 1 GHz: 10 V/m EDS-G512E-4GSFP: IEC 6 1000-4-3 RS: 80 MHz to 1 GHz: 20 V/m EDS-G512E-4GSFP: IEC 6 1000-4-3 RS: 80 MHz to 1 GHz: 20 V/m EDS-G512E-4GSFP: IEC 6 1000-4-3 RS: 80 MHz to 1 GHz: 20 V/m EDS-G512E-4GSFP: IEC 6 1000-4-3 RS: 80 MHz to 1 GHz: 20 V/m EDS-G512E-4GSFP: IEC 6 1000-4-3 RS: 80 MHz to 1 GHz: 20 V/m EDS-G512E-4GSFP: IEC 6 1000-4-3 RS: 80 MHz to 1 GHz: 20 V/m EDS-G512E-4GSFP: IEC 6 1000-4-3 RS: 80 MHz to 1 GHz: 20 V/m EDS-G512E-4GSFP: IEC 6 1000-4-3 RS: 80 MHz to 1 GHz: 20 V/m EDS-G512E-4GSFP: IEC 6 1000-4-3 RS: 80 MHz to 1 GHz: 20 V/m EDS-G512E-4GSFP: IEC 6 1000-4-3 RS: 80 MHz to 1 GHz: 20 V/m EDS-G512E-4GSFP: IEC 6 1000-4-3 RS: 80 MHz to 1 GHz: 20 V/m EDS-G512E-4GSFP: IEC 6 1000-4-3 RS: 80 MHz to 1 GHz: 20 V/m EDS-G512E-4GSFP: IEC 6 1000-4-4 RS: 80 MHz to 1 GHz: 20 V/m EDS-G512E-4GSFP: IEC 6 1000-4-4 RS: 80 MHz to 1 GHz: 20 V/m EDS-G512E-4GSFP: IEC 6 1000-4-4 RS: 80 MHz to 1 GHz: 20 V/m EDS-G512E-4GSFP: IEC 6 1000-4-4 RS: 80 MHz to 1 GHz: 20 V/m EDS-G512E-4GSFP: IEC 6 1000-4-4 RS: 80 MHz to 1 GHz: 20 V/m EDS-G512E-4GSFP: IEC 6 1000-4-4 RS: 80 MHz to 1 GHz: 20 V/m EDS-G512E-4GSFP: IEC 6 1000-4-4 RS: 90 MRS EDS-G512E-4GSFP: IEC 6 1000-4-4 RS:	Dimensions	79.2 x 135 x 137 mm (3.1 x 5.3 x 5.4 in)
Hail mounting (with optional kit)Environmental LimitsOperating TemperatureStandard 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 Humidity5 to 95% (non-condensing)Standards and CertificationsEDS-G512E-46SFP/EDS-G512E-48PoE-4GSFP models: UL 508 EDS-G512E-8PoE-4GSFP models: EN 60950-1 (LVD)EMCEN 61000-6-2/-6-4EMSEDS-G512E-46GSFP. IEC 61000-4-3 ESD: Contact: 8 kV; Air: 15 kV EDS-G512E-46GSFP: IEC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m EDS-G512E-46GSFP. IEC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m EDS-G512E-46GSFP. IEC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m EDS-G512E-46GSFP. IEC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m EDS-G512E-46GSFP. IEC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m EDS-G512E-46GSFP. IEC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m EDS-G512E-46GSFP. IEC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m EDS-G512E-46GSFP. IEC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m EDS-G512E-46GSFP. IEC 61000-4-4 RFT: Power: 4 kV; Signal: 4 kV EDS-G512E-46GSFP. IEC 61000-4-4 RFT: Power: 4 kV; Signal: 4 kV EDS-G512E-46GSFP. IEC 61000-4-4 RFT: Power: 4 kV; Signal: 4 kV EDS-G512E-46GSFP. IEC 61000-4-4 EFT: Power: 4 kV; Signal: 4 kV EDS-G512E-46GSFP. IEC 61000-4-4 EFT: Power: 4 kV; Signal: 4 kV EDS-G512E-46GSFP. IEC 61000-4-5 Surge: Power: 2 kV; Signal: 4 kV EDS-G512E-46GSFP. IEC 61000-4-5 Surge: Power: 4 kV; Signal: 4 kV EDS-G512E-46GSFP. IEC 61000-4-5 Surge: Power: 4 kV; Signal: 4 kV EDS-G512E-46GSFP. IEC 61000-4-5 Surge: Power: 4 kV; Signal: 4 kV EDS-G512E-46GSFP. IEC 61000-4-5 Surge: Power: 4 kV; Signal: 4 kV EDS-G512E-46GSFP. IEC 61000-4-5 Surge: Power: 4 kV; Signal: 4 kV EDS-G512E-46GSFP. IEC 61000-4-5 Surge: Power: 4 kV; Signal: 4 kV EDS-G512E-46GSFP. IE	Weight	
Operating TemperatureStandard 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 Humidity5 to 95% (non-condensing)Standards and CertificationsEDS-G512E-40SFP/EDS-G512E-8P0E-4GSFP models: UL 508 EDS-G512E-8P0E-4GSFP models: EN 60950-1 (LVD)EMCEN 61000-6-2/-6-4EMSEDS-G512E-40SFP/EDS -G512E-61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m EDS-G512E-40SFP: EIC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m EDS-G512E-40SFP: EIC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m EDS-G512E-40SFP: EIC 61000-4-4 RS: 80 MHz to 1 GHz: 20 V/m EDS-G512E-40SFP: EIC 61000-4-4 RS: 80 MHz to 1 GHz: 20 V/m EDS-G512E-40SFP: EIC 61000-4-4 RS: 80 MHz to 1 GHz: 20 V/m EDS-G512E-40SFP: EIC 61000-4-4 RS: 80 MHz to 1 GHz: 20 V/m EDS-G512E-40SFP: EIC 61000-4-4 RS: 80 MHz to 1 GHz: 20 V/m EDS-G512E-40SFP: EIC 61000-4-4 RS: 80 MHz to 1 GHz: 20 V/m EDS-G512E-40SFP: EIC 61000-4-4 RS: 80 MHz to 1 GHz: 20 V/m EDS-G512E-40SFP: EIC 61000-4-4 RS: 80 MHz to 1 GHz: 20 V/m EDS-G512E-40SFP: EIC 61000-4-4 RS: 80 MHz to 1 GHz: 20 V/m EDS-G512E-40SFP: EIC 61000-4-4 RS: 80 MHz to 1 GHz: 20 V/m EDS-G512E-40SFP: EIC 61000-4-4 EFT: Power: 2 V/S Signal: 2 KV EDS-G512E-40SFP: EIC 61000-4-4 EFT: Power: 2 V/S Signal: 2 KV EDS-G512E-40SFP: EIC 61000-4-4 EFT: Power: 2 V/S Signal: 4 KV EDS-G512E-40SFP: EIC 61000-4-5 Surge: Power: 2 V/S Signal: 4 KV EDS-G512E-40SFP: EIC 61000-4-5 Surge: Power: 2 V/S Signal: 4 KV EDS-G512E-40SFP: EIC 61000-4-5 Surge: Power: 2 V/S Signal: 4 KV EDS-G512E-40SFP: EIC 61000-4-5 Surge: Power: 2 V/S Signal: 4 KV EDS-G512E-40SFP: EIC 61000-4-5 Surge: Power: 2 V/S Signal: 4 KV EDS-G512E-40SFP: EIC 61000-4-5 Surge: Power: 2 KV; Signal: 4 KV EDS-G512E-40SFP: EIC 61000-4-5 Surge: Power: 2 KV; Signal: 4 KV EDS-G512	Installation	·
Vide Temp. Models: -40 to 75°C (-40 to 167°F)Storage Temperature (package included)-40 to 85°C (-40 to 185°F)Ambient Relative Humidity5 to 95% (non-condensing)Standards and CertificationsSafetyEDS-G512E-4GSFP/EDS-G512E-8PoE-4GSFP models: UL 508 EDS-G512E-8PoE-4GSFP models: EN 60950-1 (LVD)EMCEN 61000-6-2/-6-4EMSEDS-G512E-4GSFP: IEC 61000-4-2 ESD: Contact: 8 kV; Air: 15 kV EDS-G512E-8PoE-4GSFP: IEC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m EDS-G512E-8PoE-4GSFP: IEC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m EDS-G512E-8PoE-4GSFP: IEC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m EDS-G512E-8PoE-4GSFP: IEC 61000-4-4 EFT: Power: 4 kV; Signai: 4 kV EDS-G512E-8PoE-4GSFP: IEC 61000-4-4 EFT: Power: 4 kV; Signai: 2 kV EDS-G512E-8PoE-4GSFP: IEC 61000-4-4 EFT: Power: 4 kV; Signai: 4 kV EDS-G512E-8PoE-4GSFP: IEC 61000-4-4 EFT: Power: 4 kV; Signai: 2 kV EDS-G512E-4GSFP: IEC 61000-4-4 EFT: Power: 4 kV; Signai: 4 kV EDS-G512E-4GSFP: IEC 61000-4-5 Surge: Power: 2 kV; Signai: 2 kV EDS-G512E-4GSFP: IEC 61000-4-5 Surge: Power: 4 kV; Signai: 4 kV EDS-G512E-4GSFP: IEC 61000-4-5 Surge: Power: 4 kV; Signai: 4 kV EDS-G512E-4GSFP: IEC 61000-4-5 Surge: Power: 2 kV; Signai: 2 kV EDS-G512E-4GSFP: IEC 61000-4-5 Surge: Power: 2 kV; Signai: 2 kV EDS-G512E-4GSFP: IEC 61000-4-5 Surge: Power: 2 kV; Signai: 2 kV EDS-G512E-4GSFP: IEC 61000-4-5 Surge: Power: 2 kV; Signai: 2 kV EDS-G512E-4GSFP: IEC 61000-4-5 Surge: Power: 2 kV; Signai: 2 kV EDS-G512E-4GSFP: IEC 61000-4-5 Surge: Power: 2 kV; Signai: 2 kV EDS-G512E-4GSFP: IEC 61000-4-5 Surge: Power: 2 kV; Signai: 2 kV EDS-G512E-4GSFP: IEC 61000-4-5 Surge: Power: 2 kV; Signai: 2 kV EDS-G512E-4GSFP: IEC 61000-4-5 Surge: Power: 2 kV; Signai: 2 kV EDS-G512E-4GSFP: IEC 61000-4-5 Surge: Power: 2 kV; Signai: 2 kV EDS-G512E-4GSFP: IEC 61000-4-5 Surge: Power: 2 kV; Signa	Environmental Limits	
Ambient Relative Humidity5 to 95% (non-condensing)Standards and CertificationsSafetyEDS-G512E-4GSFP/EDS-G512E-8PoE-4GSFP models: UL 508 EDS-G512E-8PoE-4GSFP models: EN 60950-1 (LVD)EMCEN 61000-6-2/-6-4EMSEDS-G512E-4GSFP: IEC 61000-4-3 RS: 80 MHz to 1 GHz: 10 V/m EDS-G512E-4GSFP: IEC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m EDS-G512E-4GSFP: TIEC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m EDS-G512E-4GSFP: TIEC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m EDS-G512E-4GSFP: TIEC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m EDS-G512E-4GSFP: TIEC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m EDS-G512E-4GSFP: TIEC 61000-4-4 EFT: Power: 4 kV; Signal: 2 kV EDS-G512E-4GSFP: TIEC 61000-4-4 EFT: Power: 2 kV; Signal: 2 kV EDS-G512E-4GSFP: TIEC 61000-4-4 EFT: Power: 2 kV; Signal: 2 kV EDS-G512E-4GSFP: TIEC 61000-4-5 Surge: Power: 2 kV; Signal: 4 kV EDS-G512E-4GSFP: TIEC 61000-4-5 Surge: Power: 2 kV; Signal: 4 kV EDS-G512E-4GSFP: TIEC 61000-4-5 Surge: Power: 2 kV; Signal: 4 kV EDS-G512E-4GSFP: TIEC 61000-4-5 Surge: Power: 2 kV; Signal: 4 kV EDS-G512E-4GSFP: TIEC 61000-4-5 Surge: Power: 2 kV; Signal: 4 kV EDS-G512E-4GSFP: TIEC 61000-4-5 Surge: Power: 2 kV; Signal: 4 kV EDS-G512E-4GSFP: TIEC 61000-4-5 Surge: Power: 2 kV; Signal: 4 kV EDS-G512E-4GSFP: TIEC 61000-4-5 Surge: Power: 2 kV; Signal: 4 kV EDS-G512E-4GSFP: TIEC 61000-4-5 Surge: Power: 2 kV; Signal: 4 kV EDS-G512E-4GSFP: TIEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-8POE-4GSFP: TIEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-8POE-4GSFP: TIEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-8PDE-4GSFP: TIEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-8PDE-4GSFP: TIEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-8PDE-4GSFP: TIEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-8PDE-4GSFP: TIEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV <b< td=""><td>Operating Temperature</td><td></td></b<>	Operating Temperature	
Standards and CertificationsSafetyEDS-G512E-4GSFP/EDS-G512E-4BP6E-4GSFP models: UL 508 EDS-G512E-4BP6E-4GSFP models: EN 60950-1 (LVD)EMCEN 61000-6-2/-6-4EMSEDS-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: 20 V/m EDS-G512E-4GSFP: IEC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m EDS-G512E-4GSFP: IEC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m EDS-G512E-4GSFP: IEC 61000-4-4 SR: 80 MHz to 1 GHz: 20 V/m EDS-G512E-4GSFP: IEC 61000-4-4 EFT: Power: 2 kV; Signal: 2 kV EDS-G512E-4GSFP: IEC 61000-4-4 EFT: Power: 2 kV; Signal: 2 kV EDS-G512E-4GSFP: IEC 61000-4-4 EFT: Power: 2 kV; Signal: 2 kV EDS-G512E-4GSFP: IEC 61000-4-4 EFT: Power: 2 kV; Signal: 4 kV EDS-G512E-4GSFP: IEC 61000-4-5 Surge: Power: 4 kV; Signal: 4 kV EDS-G512E-4GSFP: IEC 61000-4-5 Surge: Power: 4 kV; Signal: 4 kV EDS-G512E-4GSFP: IEC 61000-4-5 Surge: Power: 4 kV; Signal: 4 kV EDS-G512E-4GSFP: IEC 61000-4-5 Surge: Power: 4 kV; Signal: 4 kV EDS-G512E-4GSFP: IEC 61000-4-5 Surge: Power: 4 kV; Signal: 4 kV EDS-G512E-4GSFP: IEC 61000-4-5 Surge: Power: 4 kV; Signal: 4 kV EDS-G512E-4GSFP: IEC 61000-4-5 Surge: Power: 2 kV; Signal: 4 kV EDS-G512E-4GSFP: IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-4GSFP: IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-4GSFP: IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-4GSFP: IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-4GSFP: IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-4GSFP: IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-4GSFP: IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-4GSFP: IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-4GSFP: IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-4GSFP: IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV IEDS-G512E-4GSFP: IEC 61000-4-5 Surge:	Storage Temperature (package included)	-40 to 85°C (-40 to 185°F)
SafetyEDS-G512E-4GSFP/EDS-G512E-8PoE-4GSFP models: UL 508 EDS-G512E-8PoE-4GSFP models: EN 60950-1 (LVD)EMCEN 61000-6-2/-6-4EMSEDS-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-8PoE-4GSFP: IEC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m EDS-G512E-8PoE-4GSFP: IEC 61000-4-4 RF: Power: 2 kV; Signal: 2 kV EDS-G512E-8PoE-4GSFP: IEC 61000-4-4 EFT: Power: 2 kV; Signal: 2 kV EDS-G512E-8POE-4GSFP: IEC 61000-4-4 EFT: Power: 2 kV; Signal: 2 kV EDS-G512E-8POE-4GSFP: IEC 61000-4-4 EFT: Power: 2 kV; Signal: 2 kV EDS-G512E-8POE-4GSFP: IEC 61000-4-4 EFT: Power: 2 kV; Signal: 2 kV EDS-G512E-8POE-4GSFP: IEC 61000-4-5 Surge: Power: 4 kV; Signal: 4 kV EDS-G512E-8POE-4GSFP: IEC 61000-4-5 Surge: Power: 4 kV; Signal: 2 kV EDS-G512E-8POE-4GSFP: IEC 61000-4-5 Surge: Power: 4 kV; Signal: 4 kV EDS-G512E-8POE-4GSFP: IEC 61000-4-5 Surge: Power: 4 kV; Signal: 4 kV EDS-G512E-8POE-4GSFP: IEC 61000-4-5 Surge: Power: 4 kV; Signal: 4 kV EDS-G512E-8POE-4GSFP: IEC 61000-4-5 Surge: Power: 4 kV; Signal: 4 kV EDS-G512E-8POE-4GSFP: IEC 61000-4-5 Surge: Power: 4 kV; Signal: 4 kV EDS-G512E-4GSFP: IEC 61000-4-5 Surge: Power: 4 kV; Signal: 4 kV EDS-G512E-8POE-4GSFP: IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-8POE-4GSFP: IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-8POE-4GSFP: IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-8POE-4GSFP: IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-8POE-4GSFP: IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-8POE-4GSFP: IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-8POE-4GSFP: Series: ATEX, Class 1 Division 2EMIFCC Part 15B Class AHazardous LocationsEDS-G512E-4GSFP Series: ATEX, Class 1 Division 2 <td>Ambient Relative Humidity</td> <td>5 to 95% (non-condensing)</td>	Ambient Relative Humidity	5 to 95% (non-condensing)
EDS-G512E-8PoE-4GSFP models: EN 60950-1 (LVD)EMCEN 61000-6-2/-6-4EMSEDS-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-4GSFP. IEC 61000-4-3 RS: 80 MHz to 1 GHz: 10 V/m EDS-G512E-4GSFP. IEC 61000-4-3 RS: 80 MHz to 1 GHz: 10 V/m EDS-G512E-4GSFP. IEC 61000-4-3 RS: 80 MHz to 1 GHz: 10 V/m EDS-G512E-4GSFP. IEC 61000-4-3 RS: 80 MHz to 1 GHz: 10 V/m EDS-G512E-4GSFP. IEC 61000-4-4 EFT: Power: 2 kV; Signal: 2 kV EDS-G512E-4GSFP. IEC 61000-4-4 EFT: Power: 2 kV; Signal: 2 kV EDS-G512E-4GSFP. IEC 61000-4-4 EFT: Power: 2 kV; Signal: 4 kV EDS-G512E-4GSFP. IEC 61000-4-5 Surge: Power: 2 kV; Signal: 4 kV EDS-G512E-4GSFP. IEC 61000-4-5 Surge: Power: 2 kV; Signal: 4 kV EDS-G512E-4GSFP. IEC 61000-4-5 Surge: Power: 2 kV; Signal: 4 kV EDS-G512E-4GSFP. IEC 61000-4-5 Surge: Power: 2 kV; Signal: 4 kV EDS-G512E-4GSFP. IEC 61000-4-5 Surge: Power: 2 kV; Signal: 4 kV EDS-G512E-4GSFP. IEC 61000-4-5 Surge: Power: 2 kV; Signal: 4 kV EDS-G512E-4GSFP. IEC 61000-4-5 Surge: Power: 2 kV; Signal: 4 kV EDS-G512E-4GSFP. IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-4GSFP. IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-4GSFP. IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-4GSFP. IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-4GSFP. IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-4GSFP. IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-4GSFP. IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-4DF-4GSFP. IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-4DF-4GSFP. IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-4DF-4GSFP. IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-4DF-4GSFP. IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-4DF-4GSFP. IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-4DF-4DF	Standards and Certifications	
EMSEDS-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-4GSFP: IEC 61000-4-3 RS: 80 MHz to 1 GHz: 10 V/m EDS-G512E-4GSFP. IEC 61000-4-3 RS: 80 MHz to 1 GHz: 10 V/m EDS-G512E-4GSFP. IEC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m EDS-G512E-4GSFP. IEC 61000-4-4 SR: 80 MHz to 1 GHz: 20 V/m EDS-G512E-4GSFP. IEC 61000-4-4 SR: 80 MHz to 1 GHz: 20 V/m EDS-G512E-4GSFP. IEC 61000-4-4 EFT: Power: 4 kV; Signal: 4 kV EDS-G512E-4GSFP. IEC 61000-4-4 EFT: Power: 2 kV; Signal: 2 kV EDS-G512E-4GSFP. IEC 61000-4-4 EFT: Power: 4 kV; Signal: 2 kV EDS-G512E-4GSFP. IEC 61000-4-5 Surge: Power: 4 kV; Signal: 4 kV EDS-G512E-4GSFP. IEC 61000-4-5 Surge: Power: 4 kV; Signal: 4 kV EDS-G512E-4GSFP. IEC 61000-4-5 Surge: Power: 4 kV; Signal: 4 kV EDS-G512E-4GSFP. IEC 61000-4-5 Surge: Power: 4 kV; Signal: 4 kV EDS-G512E-4GSFP. IEC 61000-4-5 Surge: Power: 4 kV; Signal: 4 kV EDS-G512E-4GSFP. IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-4GSFP. IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-4GSFP. IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-4GSFP. IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-4GSFP. IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-4GSFP. IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-40SFP. IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-40SFP. IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-40SFP. IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-40SFP. IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-40SFP. IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-40SFP. IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-40SFP. IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-40SFP. IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV IEC 61000-4-6 CS: 10 V IEC 61000-4-5 SUGE: POWER: 2 kV; Signal: 2 kV EDS-G51	Safety	
EDS-G512E-4GSFP: IEC 61000-4-3 RS: 80 MHz to 1 GHz: 10 V/m EDS-G512E-490E-4GSFP: IEC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m EDS-G512E-490E-4GSFP.T: IEC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m EDS-G512E-490E-4GSFP.T: IEC 61000-4-4 EFT: Power: 4 kV; Signal: 4 kV EDS-G512E-490E-4GSFP: IEC 61000-4-4 EFT: Power: 2 kV; Signal: 2 kV EDS-G512E-490E-4GSFP.T: IEC 61000-4-4 EFT: Power: 2 kV; Signal: 2 kV EDS-G512E-490E-4GSFP.T: IEC 61000-4-4 EFT: Power: 2 kV; Signal: 4 kV EDS-G512E-490E-4GSFP.T: IEC 61000-4-5 Surge: Power: 4 kV; Signal: 4 kV EDS-G512E-40SFP.T: IEC 61000-4-5 Surge: Power: 2 kV; Signal: 4 kV EDS-G512E-40SFP: IEC 61000-4-5 Surge: Power: 2 kV; Signal: 4 kV EDS-G512E-40SFP: IEC 61000-4-5 Surge: Power: 2 kV; Signal: 4 kV EDS-G512E-40SFP: IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-40SFP: IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-40SFP: IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-40SFP: IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-40SFP: IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-40SFP: IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-40SFP: IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-40SFP: IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-40SFP: IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV IEC 61000-4-6 CS: 10 V IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-40SFP.TI IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV IEC 61000-4-8 PFMFEMIFCC Part 15B Class AHazardous LocationsEDS-G512E-40SFP Series: ATEX, Class I Division 2	EMC	EN 61000-6-2/-6-4
Hazardous Locations EDS-G512E-4GSFP Series: ATEX, Class I Division 2	EMS	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-T: IEC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m EDS-G512E-8PoE-4GSFP-T: IEC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m EDS-G512E-8PoE-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-8PoE-4GSFP-T: IEC 61000-4-4 EFT: Power: 2 kV; Signal: 2 kV EDS-G512E-8PoE-4GSFP-T: IEC 61000-4-4 EFT: Power: 2 kV; Signal: 4 kV EDS-G512E-4GSFP-T: IEC 61000-4-4 EFT: Power: 4 kV; Signal: 4 kV EDS-G512E-4GSFP: IEC 61000-4-5 Surge: Power: 4 kV; Signal: 4 kV EDS-G512E-8PoE-4GSFP: IEC 61000-4-5 Surge: Power: 2 kV; Signal: 4 kV EDS-G512E-4GSFP: IEC 61000-4-5 Surge: Power: 4 kV; Signal: 4 kV EDS-G512E-4GSFP-T: IEC 61000-4-5 Surge: Power: 2 kV; Signal: 4 kV EDS-G512E-4GSFP-T: IEC 61000-4-5 Surge: Power: 2 kV; Signal: 4 kV EDS-G512E-8PoE-4GSFP-T: IEC 61000-4-5 Surge: Power: 2 kV; Signal: 4 kV EDS-G512E-8PoE-4GSFP-T: IEC 61000-4-5 Surge: Power: 2 kV; Signal: 4 kV EDS-G512E-8PoE-4GSFP-T: IEC 61000-4-5 Surge: Power: 2 kV; Signal: 4 kV EDS-G512E-8PoE-4GSFP-T: IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-8PoE-4GSFP-T: IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-8PoE-4GSFP-T: IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-8PoE-4GSFP-T: IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV EDS-G512E-8PoE-4GSFP-T: IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV
	EMI	FCC Part 15B Class A
Maritime EDS-G512E-4GSFP models: DNV, LR, ABS, NK	Hazardous Locations	EDS-G512E-4GSFP Series: ATEX, Class I Division 2
	Maritime	EDS-G512E-4GSFP models: DNV, LR, ABS, 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(-T) models: 816,823 hrs EDS-G512E-8PoE-4GSFP(-T) models: 788,215 hrs
Standards	Telcordia (Bellcore), GB
Warranty	
Warranty Period	5 years
Warranty Period Details	5 years See www.moxa.com/warranty
Details	
Details Package Contents	See www.moxa.com/warranty
Details Package Contents Device	See www.moxa.com/warranty 1 x EDS-G512E Series switch
Details Package Contents Device Cable	See www.moxa.com/warranty 1 x EDS-G512E Series switch 1 x USB type A male to USB type B male

## **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	$\checkmark$	4	-10 to 60°C
EDS-G512E-8PoE-4GSFP-T	-	8	$\checkmark$	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 $60^{\circ}$ 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
Rack-Mounting Kits	
RK-4U	19-inch rack-mounting kit
Wall-Mounting Kits	
WK-51-01	Wall mounting kit with 2 plates (51.6 x 67 x 2 mm) and 6 screws
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, LC connector for 2/4 km transmission, -40 to $85^{\circ}$ C operating temperature
SFP-1FESLC-T	SFP module with 1 100Base single-mode with LC connector for 40 km transmission, -40 to $85^{\circ}$ 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°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 $85^{\circ}$ C operating temperature
SFP-1GLSXLC	SFP module with 1 1000BaseLSX port with LC connector for 1km/2km transmission, 0 to 60°C operating temperature
SFP-1GLSXLC-T	SFP module with 1 1000BaseLSX port with LC connector for 1km/2km 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 $85^{\circ}$ C operating temperature
SFP-1GSXLC	SFP module with 1 1000BaseSX port with LC connector for 300m/550m transmission, 0 to $60^{\circ}$ C operating temperature
SFP-1GSXLC-T	SFP module with 1 1000BaseSX port with LC connector for 300m/550m transmission, -40 to $85^{\circ}$ 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
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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