# **EDS-508A Series**

### 8-port managed Ethernet switches



#### **Features and Benefits**

- Turbo Ring and Turbo Chain (recovery time < 20 ms @ 250 switches), and</li> STP/RSTP/MSTP for network redundancy
- TACACS+, SNMPv3, IEEE 802.1X, HTTPS, and SSH to enhance network security
- · Easy network management by web browser, CLI, Telnet/serial console, Windows utility, and ABC-01
- · Supports MXstudio for easy, visualized industrial network management

#### Certifications







### Introduction

The EDS-508A standalone 8-port managed Ethernet switches, with their advanced Turbo Ring and Turbo Chain technologies (recovery time < 20 ms), RSTP/STP, and MSTP, increase the reliability and availability of your industrial Ethernet network. Models with a wide operating temperature range of -40 to 75°C are also available, and the switches support advanced management and security features, making the EDS-508A switches suitable for any harsh industrial environment.

#### **Additional Features and Benefits**

- · Command line interface (CLI) for quickly configuring major managed functions
- DHCP Option 82 for IP address assignment with different policies
- Supports EtherNet/IP and Modbus TCP protocols for device management and monitoring
- Compatible with PROFINET protocol for transparent data
- · Automatic warning by exception through email and relay output
- · IGMP snooping and GMRP for filtering multicast traffic
- Port-based VLAN, IEEE 802.1Q VLAN, and GVRP to ease network planning
- QoS (IEEE 802.1p/1Q and TOS/DiffServ) to increase determinism
- · Port Trunking for optimum bandwidth utilization
- · RMON for proactive and efficient network monitoring
- SNMPv1/v2c/v3 for different levels of network management
- · Bandwidth management to prevent unpredictable network status
- · Lock port function for blocking unauthorized access based on MAC address

### **Specifications**

### Input/Output Interface

input/output interlace	
Alarm Contact Channels	2, Relay output with current carrying capacity of 1 A @ 24 VDC
Digital Input Channels	2
Digital Inputs	+13 to +30 V for state 1 -30 to +3 V for state 0 Max. input current: 8 mA
Buttons	Reset button

#### **Ethernet Interface**

10/100BaseT(X) Ports (RJ45 connector)	EDS-508A Series: 8 EDS-508A-MM/SS Series: 6
	All models support: Auto negotiation speed Full/Half duplex mode Auto MDI/MDI-X connection
100BaseFX Ports (multi-mode SC connector)	EDS-508A-MM-SC Series: 2

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100BaseFX Ports (multi-mode ST connector)	EDS-508A-MM-ST Series: 2
100BaseFX Ports (single-mode SC connector)	EDS-508A-SS-SC Series: 2
100BaseFX Ports, Single-Mode SC Connector, 80 km	EDS-508A-SS-SC-80 Series: 2
Standards	IEEE 802.3 for 10BaseT IEEE 802.3u for 100BaseT(X) and 100BaseFX IEEE 802.1X for authentication 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 802.1Q for VLAN Tagging IEEE 802.1p for Class of Service IEEE 802.3x for flow control IEEE 802.3ad for Port Trunk with LACP

Optical Fiber

		100BaseFX				
		Multi-Mode		Single-Mode (40 km)	Single-Mode (80 km)	
		OM1	50/125 μm	G.652	0.050	
	Fiber Cable Type	OWIT	800 MHz x km	G.052	G.652	
	Typical Distance	4 km 5 km		40 km	80 km	
	Typical (nm)	1300		1310	1550	
Wave- length	TX Range (nm)	1260 to 1360		1280 to 1340	1530 to 1570	
	RX Range (nm)	1	100 to 1600	1100 to 1600	1100 to 1600	
	TX Range (dBm)		-10 to -20	0 to -5	0 to -5	
Optical	RX Range (dBm)		-3 to -32	-3 to -34	-3 to -34	
Power	Link Budget (dB)	12		29	29	
	Dispersion Penalty (dB)	3		1	1	

Note: When connecting a single-mode fiber transceiver, we recommend using an attenuator to prevent damage caused by excessive optical power.

Note: Compute the "typical distance" of a specific fiber transceiver as follows: Link budget (dB) > dispersion penalty (dB) + total link loss (dB).

#### **Ethernet Software Features**

Filter	802.1Q VLAN, Port-based VLAN, IGMP v1/v2, GVRP, GMRP
Industrial Protocols	EtherNet/IP, Modbus TCP
Management	IPv4/IPv6, SNMPv1/v2c/v3, LLDP, Port Mirror, Back Pressure Flow Control, BOOTP, DDM, DHCP Option 66/67/82, DHCP Server/Client, Fiber check, Flow control, RARP, RMON, SMTP, SNMP Inform, Syslog, Telnet, TFTP
MIB	MIB-II, Bridge MIB, Ethernet-like MIB, P-BRIDGE MIB, Q-BRIDGE MIB, RMON MIB Groups 1, 2, 3, 9, RSTP MIB
Redundancy Protocols	STP, MSTP, RSTP, LACP, Link Aggregation, Turbo Chain, Turbo Ring v1/v2
Security	HTTPS/SSL, TACACS+, Port Lock, RADIUS, SSH
Time Management	NTP Server/Client, SNTP, IEEE 1588v2 PTP (software-based)
Switch Properties	

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**IGMP** Groups

MAC Table Size

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256

8 K

Max. No. of VLANS	Mary No670 ANI-	
VLAN ID Range		
LED Interface  LED Interface  LED Indicators  PWR1, PWR2, FAULT, 10/100M (TP port), 100M (fiber port), MSTR/HEAD, CPLR/TAIL  Sorial Interface  Console Port  RS-232 (TxD, RxD, GND), 8-pin RJ45 (115200, n, 8, 1)  DIP Switch Configuration  Etheme Interface  Turbo Ring, Master, Coupler, Reserve  Power Parameters  Connection  2 removable 6-contact terminal block(s)  Input Voltage  12/24/48 VDC, Redundant dual inputs  Querating Voltage  18, 16 60 VDC  EDS-508A-Series: 0.32 A 6 24 VDC  EDS-508A-MM/SS Series: 0.30 A 6 24 VDC  Overload Current Protection  Supported  Reverse Polarity Protection  Supported  Physical Characteristics  Housing  Metal  IP Rating  IP 30  Dimensions  80.2 x 135 x 105 mm (3.16 x 5.31 x 4.13 in)  Weight  1040 g (2.3 ib)  Installation  DIN-rail mounting, Wall mounting (with optional kit)  Environmental Limits  Operating Temperature (package included)  -40 to 85°C (-40 to 185°F)  Storage Temperature (package included)  ATEX, Class I Division 2  EMC  EMS  EMG CISPR 32, FCC Part 158 Class A  EMS  EMS  EMS  EMS  EMS  EMS  EMS  EM		
LED Indicators	Priority Queues	4
Description	VLAN ID Range	VID 1 to 4094
Serial Interface	LED Interface	
Console Port RS-232 (TxD, RxD, GND), 8-pin RJ45 (115200, n, 8, 1)  DIP Switch Configuration  Ethemet Interface Turbo Ring, Master, Coupler, Reserve  Power Parameters  Connection 2 removable 8-contact terminal block(s)  Input Voltage 12/24/48 VDC, Redundant dual inputs  Operating Voltage 9.6 to 60 VDC  Input Current EDS-508A Series: 0.22 A € 24 VDC  CDS-508A-MM/SS Series: 0.30 A € 24 VDC  Overload Current Protection Supported  Reverse Polarity Protection Supported  Physical Characteristics  Housing Metal  IP Rating IP30  Dimensions 80.2 x 135 x 105 mm (3.16 x 5.31 x 4.13 in)  Weight 1040 g (2.3 lb)  Installation DIN-rail mounting, Wall mounting (with optional kit)  Environmental Limits  Operating Temperature (package included) -40 to 85°C (-40 to 185°F)  Ambient Relative Humidity 5 to 95% (non-condensing)  Standards and Certifications  Safety EN 60950-1, UL 60950-1, CSA C22.2 No. 60950-1, UL 508  Hazardous Locations ATEX, Class I Division 2  EMC EN 55032/24  EMS IEC 61000-4-2 ESD: Contact: 6 kV; Air-8 kV IEC 61000-4-2 BSD: Contact: 6 kV; Air-8 kV IEC 61000-4-2 BSD: Contact: 6 kV; Air-8 kV IEC 61000-4-2 BSD: Contact: 6 kV; Signal: 1 kV	LED Indicators	PWR1, PWR2, FAULT, 10/100M (TP port), 100M (fiber port), MSTR/HEAD, CPLR/TAIL
DIP Switch Configuration  Ethernet Interface  Turbo Ring, Master, Coupler, Reserve  Power Parameters  Connection  2 removable 6-contact terminal block(e)  Input Voltage  12/24/48 VDC, Redundant dual inputs  Operating Voltage  Input Current  EDS-508A Series: 0.22 A @ 24 VDC  EDS-508A-MM/SS Series: 0.30 A @ 24 VDC  Overload Current Protection  Supported  Reverse Polarity Protection  Supported  Physical Characteristics  Housing  Metal  IP Rating  IP30  Dimensions  80.2 x 135 x 105 mm (3.16 x 5.31 x 4.13 in)  Weight  1040 g (2.3 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 187°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  EN 60950-1, UL 60950-1, CSA C22.2 No. 60950-1, UL 508  Hazardous Locations  ATEX, Class I Division 2  EMC  EN 55032/24  EMI  CISPR 32, FCC Part 15B Class A  IEC 61000-4-2 ESD: Contact: 6 kV; Kin:s kV IEC 61000-4-2 RS: 80 MHz to 1 GHz; Vy Signal: 1 kV	Serial Interface	
Ethernet Interface Turbo Ring, Master, Coupler, Reserve  Power Parameters Connection 2 removable 6-contact terminal block(s) Input Voltage 12/24/48 VDC, Redundant dual inputs Operating Voltage 9,6 to 60 VDC Input Current EDS-508A Series: 0.22 A @ 24 VDC EDS-508A-MM/SS Series: 0.30 A @ 24 VDC Overload Current Protection Supported  Reverse Potarity Protection Supported  Physical Characteristics Housing Metal IP Rating IP30 Dimensions 80.2 x 135 x 105 mm (3.16 x 5.31 x 4.13 in) Weight 1040 g (2.3 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 EN 60950-1, UL 60950-1, CSA C22.2 No. 60950-1, UL 508 Hazardous Locations ATEX, Class I Division 2 EMC EN 55032/24 EMI CISPR 32, FCC Part 15B Class A IEC 61000-4-2 ESD; Contact: 6 kV; Air; 8 kV IEC 61000-4-2 ESD; Contact: 6 kV; Air; 8 kV IEC 61000-4-2 ESD; Contact: 6 kV; Air; 8 kV IEC 61000-4-2 ESD; Contact: 6 kV; Air; 8 kV IEC 61000-4-2 ESD; Contact: 6 kV; Air; 8 kV IEC 61000-4-2 ESD; Contact: 6 kV; Air; 8 kV IEC 61000-4-2 ESD; Contact: 6 kV; Air; 8 kV IEC 61000-4-2 ESD; Contact: 6 kV; Air; 8 kV IEC 61000-4-2 ESD; Contact: 6 kV; Air; 8 kV IEC 61000-4-2 ESD; Contact: 6 kV; Air; 8 kV IEC 61000-4-2 ESD; Contact: 6 kV; Air; 8 kV	Console Port	RS-232 (TxD, RxD, GND), 8-pin RJ45 (115200, n, 8, 1)
Power Parameters  Connection 2 removable 6-contact terminal block(s)  Input Voltage 12/24/48 VDC, Redundant dual inputs  Operating Voltage 9,6 to 60 VDC  Input Current EDS-508A Series: 0.22 A @ 24 VDC  EDS-508A-MM/SS Series: 0.30 A @ 24 VDC  Overload Current Protection Supported  Reverse Polarity Protection Supported  Physical Characteristics  Housing Metal  IP Rating IP30  Dimensions 80.2 x 135 x 105 mm (3.16 x 5.31 x 4.13 in)  Weight 1040 g (2.3 ib)  Installation DIN-rall 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 EN 60950-1, UL 60950-1, CSA C22.2 No. 60950-1, UL 508  Hazardous Locations ATEX, Class I Division 2  EMC EN 55032/24  EMI CISPR 32, FCC Part 15B Class A  IEC 61000-4-2 ESD: Contact: 6 kV; Air. 8 kV IEC 61000-4-4 ESFT: Power 2 kV; Signal: 1 kV	DIP Switch Configuration	
Connection   2 removable 6-contact terminal block(s)	Ethernet Interface	Turbo Ring, Master, Coupler, Reserve
Input Voltage	Power Parameters	
Operating Voltage         9.6 to 60 VDC           Input Current         EDS-508A Series: 0.22 A @ 24 VDC           Coverload Current Protection         Supported           Reverse Polarity Protection         Supported           Physical Characteristics         Housing           Housing         Metal           IP Rating         IP30           Dimensions         80.2 x 135 x 105 mm (3.16 x 5.31 x 4.13 in)           Weight         1040 g (2.3 lb)           Installation         DIN-rail mounting, Wall mounting (with optional kit)           Environmental Limits         Operating Temperature           Operating Temperature (package included)         -40 to 85°C (-40 to 185°F)           Ambient Relative Humidity         5 to 95% (non-condensing)           Standards and Certifications         Safety           EN 60950-1, UL 60950-1, CSA C22.2 No. 60950-1, UL 508           Hazardous Locations         ATEX, Class I Division 2           EMC         EN 55032/24           EMI         CISPR 32, FCC Part 15B Class A           EMS         IEC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m           IEC 61000-4-4 RS: 80 MHz to 1 GHz: 20 V/m           IEC 61000-4-1 RS: 80 MHz to 1 GHz: 20 V/m	Connection	2 removable 6-contact terminal block(s)
Input Current	Input Voltage	12/24/48 VDC, Redundant dual inputs
EDS-508A-MM/SS Series: 0.30 A @ 24 VDC	Operating Voltage	9.6 to 60 VDC
Reverse Polarity Protection  Supported  Physical Characteristics  Housing  Metal  IP Rating  IP30  Dimensions  80.2 x 135 x 105 mm (3.16 x 5.31 x 4.13 in)  Weight  1040 g (2.3 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  EN 60950-1, UL 60950-1, CSA C22.2 No. 60950-1, UL 508  Hazardous Locations  EMC  EN 55032/24  EMI  CISPR 32, FCC Part 15B Class A  EMS  IEC 61000-4-2 ESD: Contact: 6 kV; Air: 8 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m IEC 61000-4-4 EFT: Power: 2kV; Signal: 1 kV	Input Current	
Physical Characteristics Housing Metal  IP Rating IP30  Dimensions 80.2 x 135 x 105 mm (3.16 x 5.31 x 4.13 in)  Weight 1040 g (2.3 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 EN 60950-1, UL 60950-1, CSA C22.2 No. 60950-1, UL 508  Hazardous Locations ATEX, Class 1 Division 2  EMC EN 55032/24  EMI CISPR 32, FCC Part 15B Class A  EMS IEC 61000-4-2 ESD: Contact: 6 kV; Air: 8 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m IEC 61000-4-4 EFT: Power: 2 kV; Signal: 1 kV	Overload Current Protection	Supported
Housing	Reverse Polarity Protection	Supported
Dimensions  80.2 x 135 x 105 mm (3.16 x 5.31 x 4.13 in)  Weight  1040 g (2.3 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  EN 60950-1, UL 60950-1, CSA C22.2 No. 60950-1, UL 508  Hazardous Locations  ATEX, Class I Division 2  EMC  EN 55032/24  EMI  CISPR 32, FCC Part 15B Class A  EMS  IEC 61000-4-2 ESD: Contact: 6 kV; Air: 8 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m IEC 61000-4-4 EFT: Power: 2 kV; Signal: 1 kV	Physical Characteristics	
Dimensions  80.2 x 135 x 105 mm (3.16 x 5.31 x 4.13 in)  Weight  1040 g (2.3 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  EN 60950-1, UL 60950-1, CSA C22.2 No. 60950-1, UL 508  Hazardous Locations  ATEX, Class I Division 2  EMC  EN 55032/24  EMI  CISPR 32, FCC Part 15B Class A  EMS  IEC 61000-4-2 ESD: Contact: 6 kV; Air: 8 kV IEC 61000-4-2 ESD: Contact: 6 kV; Air: 8 kV IEC 61000-4-2 ESD: MHz to 1 GHz: 20 V/m IEC 61000-4-4 EFT. Power: 2 kV; Signai: 1 kV	Housing	Metal
Weight  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  EN 60950-1, UL 60950-1, CSA C22.2 No. 60950-1, UL 508  Hazardous Locations  ATEX, Class I Division 2  EMC  EN 55032/24  EMI  CISPR 32, FCC Part 15B Class A  EMS  IEC 61000-4-2 ESD: Contact: 6 kV; Air: 8 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m IEC 61000-4-4 EFT: Power: 2 kV; Signal: 1 kV	IP Rating	IP30
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  EN 60950-1, UL 60950-1, CSA C22.2 No. 60950-1, UL 508  Hazardous Locations  ATEX, Class I Division 2  EMC  EN 55032/24  EMI  CISPR 32, FCC Part 15B Class A  EMS  IEC 61000-4-2 ESD: Contact: 6 kV; Air: 8 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m IEC 61000-4-4 EFT: Power: 2 kV; Signed: 1 kV	Dimensions	80.2 x 135 x 105 mm (3.16 x 5.31 x 4.13 in)
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  EN 60950-1, UL 60950-1, CSA C22.2 No. 60950-1, UL 508  Hazardous Locations  ATEX, Class I Division 2  EMC  EN 55032/24  EMI  CISPR 32, FCC Part 15B Class A  EMS  IEC 61000-4-2 ESD: Contact: 6 kV; Air: 8 kV IEC 61000-4-2 ESD: Contact: 6 kV; Air: 8 kV IEC 61000-4-2 ESD: Signal: 1 kV	Weight	1040 g (2.3 lb)
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  EN 60950-1, UL 60950-1, CSA C22.2 No. 60950-1, UL 508  Hazardous Locations  ATEX, Class I Division 2  EMC  EN 55032/24  EMI  CISPR 32, FCC Part 15B Class A  EMS  IEC 61000-4-2 ESD: Contact: 6 kV; Air: 8 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m IEC 61000-4-4 EFT: Power: 2 kV; Signal: 1 kV	Installation	DIN-rail mounting, Wall mounting (with optional kit)
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  EN 60950-1, UL 60950-1, CSA C22.2 No. 60950-1, UL 508  Hazardous Locations  ATEX, Class I Division 2  EMC  EN 55032/24  EMI  CISPR 32, FCC Part 15B Class A  EMS  IEC 61000-4-2 ESD: Contact: 6 kV; Air: 8 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m IEC 61000-4-4 EFT: Power: 2 kV; Signal: 1 kV	Environmental Limits	
Ambient Relative Humidity 5 to 95% (non-condensing)  Standards and Certifications  Safety EN 60950-1, UL 60950-1, CSA C22.2 No. 60950-1, UL 508  Hazardous Locations ATEX, Class I Division 2  EMC EN 55032/24  EMI CISPR 32, FCC Part 15B Class A  EMS IEC 61000-4-2 ESD: Contact: 6 kV; Air: 8 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m IEC 61000-4-4 EFT: Power: 2 kV; Signal: 1 kV	Operating Temperature	
Standards and Certifications  Safety  EN 60950-1, UL 60950-1, CSA C22.2 No. 60950-1, UL 508  Hazardous Locations  ATEX, Class I Division 2  EMC  EN 55032/24  EMI  CISPR 32, FCC Part 15B Class A  EMS  IEC 61000-4-2 ESD: Contact: 6 kV; Air: 8 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m IEC 61000-4-4 EFT: Power: 2 kV; Signal: 1 kV	Storage Temperature (package included)	-40 to 85°C (-40 to 185°F)
Safety       EN 60950-1, UL 60950-1, CSA C22.2 No. 60950-1, UL 508         Hazardous Locations       ATEX, Class I Division 2         EMC       EN 55032/24         EMI       CISPR 32, FCC Part 15B Class A         EMS       IEC 61000-4-2 ESD: Contact: 6 kV; Air: 8 kV         IEC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m         IEC 61000-4-4 EFT: Power: 2 kV; Signal: 1 kV	Ambient Relative Humidity	5 to 95% (non-condensing)
Hazardous Locations  ATEX, Class I Division 2  EMC  EN 55032/24  EMI  CISPR 32, FCC Part 15B Class A  EMS  IEC 61000-4-2 ESD: Contact: 6 kV; Air: 8 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m IEC 61000-4-4 EFT: Power: 2 kV; Signal: 1 kV	Standards and Certifications	
EMC EN 55032/24  EMI CISPR 32, FCC Part 15B Class A  EMS IEC 61000-4-2 ESD: Contact: 6 kV; Air: 8 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m IEC 61000-4-4 EFT: Power: 2 kV; Signal: 1 kV	Safety	EN 60950-1, UL 60950-1, CSA C22.2 No. 60950-1, UL 508
EMI CISPR 32, FCC Part 15B Class A  EMS IEC 61000-4-2 ESD: Contact: 6 kV; Air: 8 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m IEC 61000-4-4 EFT: Power: 2 kV; Signal: 1 kV	Hazardous Locations	ATEX, Class I Division 2
EMS  IEC 61000-4-2 ESD: Contact: 6 kV; Air: 8 kV  IEC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m  IEC 61000-4-4 EFT: Power: 2 kV; Signal: 1 kV	EMC	EN 55032/24
IEC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m IEC 61000-4-4 EFT: Power: 2 kV; Signal: 1 kV	EMI	CISPR 32, FCC Part 15B Class A
	EMS	IEC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m IEC 61000-4-4 EFT: Power: 2 kV; Signal: 1 kV

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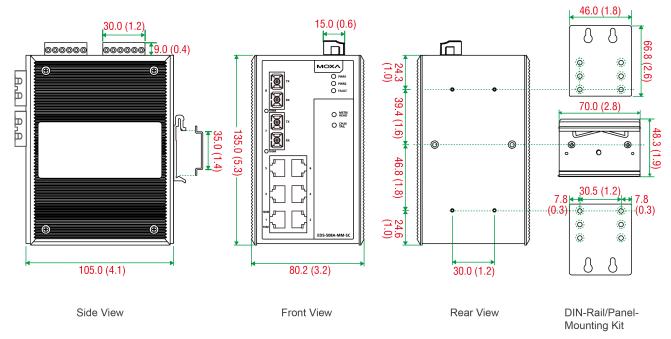
IT and Instrumentation for industry



	IEC 61000-4-6 CS: 10 V IEC 61000-4-8 PFMF			
Shock	IEC 60068-2-27			
Vibration	IEC 60068-2-6			
Freefall	IEC 60068-2-31			
MTBF				
Time	1,043,909 hrs			
Standards	Telcordia (Bellcore), GB			
Warranty				
Warranty Period	5 years			
Details	See www.moxa.com/warranty			
Package Contents				
Device	1 x EDS-508A Series switch			
Cable	1 x DB9 female to RJ45 10-pin			
Installation Kit	4 x cap, plastic, for RJ45 port 2 x cap, plastic, for SC fiber port (-SC models) 2 x cap, plastic, for ST fiber port (-ST models)			
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>			

### **Dimensions**

Unit: mm (inch)





# **Ordering Information**

Model Name	10/100BaseT(X) Ports, RJ45 Connector	100BaseFX Ports Multi-Mode, SC Connector	100BaseFX Ports Multi-Mode, ST Connector	100BaseFX Ports Single-Mode, SC Connector	100BaseFX Ports Single-Mode, SC Connector, 80 km	Operating Temp.
EDS-508A	8	-	-	-	-	0 to 60°C
EDS-508A-T	8	-	-	-	-	-40 to 75°C
EDS-508A-MM-SC	6	2	-	-	-	0 to 60°C
EDS-508A-MM-SC-T	6	2	-	-	-	-40 to 75°C
EDS-508A-MM-ST	6	-	2	-	-	0 to 60°C
EDS-508A-MM-ST-T	6	-	2	-	-	-40 to 75°C
EDS-508A-SS-SC	6	-	-	2	-	0 to 60°C
EDS-508A-SS-SC-T	6	-	-	2	-	-40 to 75°C
EDS-508A-SS-SC-80	6	-	-	-	2	0 to 60°C
EDS-508A-SS-SC-80-T	6	-	-	-	2	-40 to 75°C

# **Accessories (sold separately)**

#### Software

MXview	Industrial network management software designed for converged automation networks
Storage Kits	
ABC-01	Configuration backup and restoration tool for managed Ethernet switches and AWK Series wireless APs/bridges/clients, 0 to 60°C operating temperature
Power Supplies	
DR-120-24	120W/2.5A DIN-rail 24 VDC power supply with universal 88 to 132 VAC or 176 to 264 VAC input by switch, or 248 to 370 VDC input, -10 to $60^{\circ}$ C operating temperature
DR-4524	$45 \text{W}/2 \text{A}$ DIN-rail 24 VDC power supply with universal 85 to 264 VAC or 120 to 370 VDC input, -10 to $50^\circ$ C operating temperature
DR-75-24	$75\text{W}/3.2\text{A}$ DIN-rail 24 VDC power supply with universal 85 to 264 VAC or 120 to 370 VDC input, -10 to $60^{\circ}\text{C}$ operating temperature
MDR-40-24	DIN-rail 24 VDC power supply with 40W/1.7A, 85 to 264 VAC, or 120 to 370 VDC input, -20 to $70^{\circ}$ C operating temperature
MDR-60-24	DIN-rail 24 VDC power supply with 60W/2.5A, 85 to 264 VAC, or 120 to 370 VDC input, -20 to $70^{\circ}$ C operating temperature
Wall-Mounting Kits	
WK-46	Wall-mounting kit, 2 plates, 8 screws, 46.5 x 66.8 x 1 mm
Rack-Mounting Kits	
RK-4U	19-inch rack-mounting kit

