EDS-G2008-EL Series

8-port entry-level unmanaged full Gigabit Ethernet switches with metal housing



Features and Benefits

- Full Gigabit Ethernet ports
- · Compact size for easy installation
- · QoS supported to process critical data in heavy traffic
- IP40-rated metal housing
- -40 to 75°C wide operating temperature range (-T models)

Certifications



Introduction

The EDS-G2008-EL series of industrial Ethernet switches have up to eight Gigabit Ethernet ports, which are ideal for applications that require simple industrial Ethernet connections. To provide greater versatility for use with applications from different industries, the EDS-2008-EL Series also allows users to enable or disable the Quality of Service (QoS) function, and broadcast storm protection (BSP) with DIP switches on the outer panel. In addition, the EDS-G2008-EL Series has a rugged metal housing to ensure suitability for use in industrial environments.

The EDS-G2008-EL Series has a 12/24/48 VDC single power input, DIN-rail mounting, and high-level EMI/EMC capability. In addition to its compact size, the EDS-G2008-EL Series has passed a 100% burn-in test to ensure it will function reliably after it has been deployed. The EDS-G2008-EL Series has a standard operating temperature range of -10 to 60°C with wide-temperature (-40 to 75°C) models also available.

Specifications

10/100/1000BaseT(X) Ports (RJ45 connector)	8
10/100BaseT(X) Ports (RJ45 connector)	Full/Half duplex mode Auto MDI/MDI-X connection Auto negotiation speed
Standards	IEEE 802.3 for 10BaseT IEEE 802.3u for 100BaseT(X) and 100BaseFX IEEE 802.3ab for 1000BaseT(X) IEEE 802.1p for Class of Service IEEE 802.3x for flow control
Switch Properties	
Processing Type	Store and Forward
MAC Table Size	4 K
Packet Buffer Size	1.5 Mbits
DIP Switch Configuration	
Ethernet Interface	Quality of Service (QoS), Broadcast Storm Protection (BSP)



Power Parameters		
Connection	1 removable 2-contact terminal block(s)	
Input Current	0.33 A (max.)	
Input Voltage	12/24/48 VDC	
Operating Voltage	9.6 to 60 VDC	
Overload Current Protection	Supported	
Reverse Polarity Protection	Supported	
Physical Characteristics		
Installation	DIN-rail mounting Wall mounting (with optional kit)	
Weight	180 g (0.4 lb)	
Housing	Metal	
Dimensions	36 x 81 x 65 mm (1.42 x 3.19 x 2.56 in)	
Environmental Limits		
Operating Temperature	Standard Models: -10 to 60°C (14 to 140°F) Wide Temp. Models (-T): -40 to 75°C (-40 to 167°F)	
Ambient Relative Humidity	5 to 95% (non-condensing)	
Storage Temperature (package included)	-40 to 85°C (-40 to 185°F)	
Standards and Certifications		
Safety	UL 61010-2-201 EN 62368-1 (LVD)	
EMC	EN 55032/35 EN 61000-6-2/-6-4	
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: 1 kV; Signal: 1 kV IEC 61000-4-5 Surge: Power: 1 kV; Signal: 1 kV IEC 61000-4-6 CS: 10 V IEC 61000-4-8 PFMF	
Shock	IEC 60068-2-27	
Vibration	IEC 60068-2-6	
Freefall	IEC 60068-2-32	
MTBF		
Time	3,404,784 hrs	
Standards	Telcordia (Bellcore), GB	
Warranty		
Warranty Period	5 years	
Details	See www.moxa.com/warranty	



Package Contents

Devic	e
Devic	-

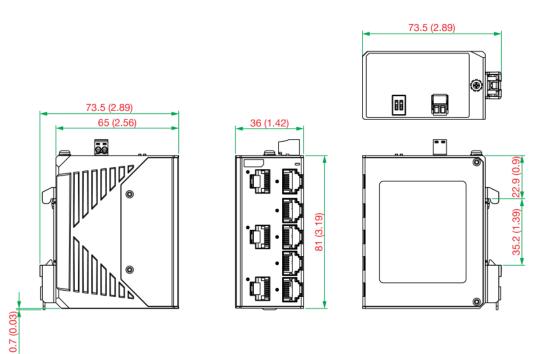
Documentation

1 x EDS-G2008-EL Series switch

1 x quick installation guide 1 x warranty card

Dimensions

Unit: mm (inch)



Ordering Information

Model Name	10/100/1000BaseT(X) Ports (RJ45 Connector)	Housing	Operating Temp.
EDS-G2008-EL	8	Metal	-10 to 60°C
EDS-G2008-EL-T	8	Metal	-40 to 75°C

Accessories (sold separately)

Wall-Mounting Kits	
WK-18	Wall-mounting kit, 1 plate (18 x 120 x 8.5 mm)
Power Supplies	
DR-4524	45W/2A DIN-rail 24 VDC power supply with universal 85 to 264 VAC or 120 to 370 VDC input, -10 to 50° C operating temperature
DR-75-24	75W/3.2A DIN-rail 24 VDC power supply with universal 85 to 264 VAC or 120 to 370 VDC input, -10 to 60° C operating temperature
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°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°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°C operating temperature

Rack-Mounting Kits



WK-18	Wall-mounting kit, 1 plate (18 x 120 x 8.5 mm)
RK-4U	19-inch rack-mounting kit

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