# **EDS-2005-ELP Series**

# 5-port entry-level unmanaged Ethernet switches



### **Features and Benefits**

- 10/100BaseT(X) (RJ45 connector)
- · Compact size for easy installation
- · QoS supported to process critical data in heavy traffic
- · IP40-rated plastic housing

#### Certifications







### Introduction

The EDS-2005-ELP series of industrial Ethernet switches have five 10/100M copper ports and a plastic housing, which are ideal for applications that require simple industrial Ethernet connections. Moreover, to provide greater versatility for use with applications from different industries, the EDS-2005-ELP 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.

The EDS-2005-ELP Series has a 12/24/48 VDC single power input, DIN-rail mounting, and high-level EMI/EMC capabilities. In addition to its compact size, the EDS-2005-ELP Series has passed a 100% burn-in test to ensure it will function reliably after it has been deployed. The EDS-2005-EL Series has a standard operating temperature range of -10 to 60°C.

## **Specifications**

#### **Ethernet Interface**

10/100BaseT(X) Ports (RJ45 connector)	5 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 802.3x for flow control IEEE 802.1p for Class of Service
Switch Properties	

#### Switch Properties

Processing Type	Store and Forward
MAC Table Size	8 K
Packet Buffer Size	4 Mbits

# **DIP Switch Configuration**

Ethernet Interface	Quality of Service (QoS), Broadcast Storm Protection (BSP)
Ethernet interlace	quality of dervice (400), broadcast otorni i fotection (bot )

#### **Power Parameters**

Connection	1 removable 3-contact terminal block(s)
Input Current	0.045 A @ 24 VDC

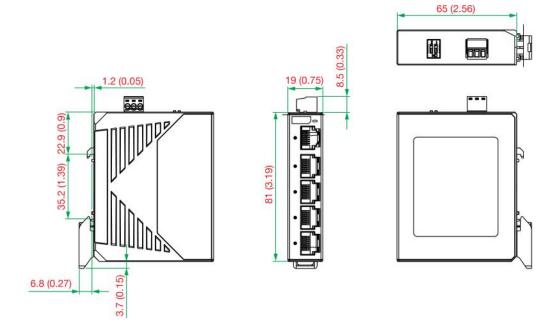


Input Voltage	12/24/48 VDC
Operating Voltage	9.6 to 60 VDC
Overload Current Protection	Supported
Reverse Polarity Protection	Supported
Physical Characteristics	
Dimensions	19 x 81 x 65 mm (0.74 x 3.19 x 2.56 in)
Installation	DIN-rail mounting, Wall mounting (with optional kit)
Weight	56 g (0.12 lb)
Housing	Plastic
Environmental Limits	
Ambient Relative Humidity	5 to 95% (non-condensing)
Operating Temperature	-10 to 60°C (14 to 140°F)
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
ЕМІ	CISPR 22, 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: 2 kV IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 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	4,814,369 hrs
Standards	Telcordia (Bellcore), GB
Warranty	
Warranty Period	5 years
Details	See www.moxa.com/warranty
Package Contents	
Device	1 x EDS-2005 Series switch



## **Dimensions**

Unit: mm (inch)



# **Ordering Information**

Model Name	10/100BaseT(X) Ports (RJ45 connector)	Housing	Operating Temperature
EDS-2005-ELP	5	Plastic	-10 to 60°C

# **Accessories (sold separately)**

## **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°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-75-48	$75\text{W}/1.6\text{A}$ DIN-rail 48 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°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

### Wall-Mounting Kits

WK-18	Wall-mounting kit, 1 plate, 18 x 120 x 8.5 mm
WIX-10	Wall-mounting Rt., 1 plate, 10 x 120 x 0.0 mm

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