# **EDS-205 Series**

# 5-port entry-level unmanaged Ethernet switches

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#### **Features and Benefits**

- 10/100BaseT(X) (RJ45 connector)
- IEEE802.3/802.3u/802.3x support
- · Broadcast storm protection
- · DIN-rail mounting ability
- -10 to 60°C operating temperature range

#### Certifications







## Introduction

The EDS-205 Series supports IEEE 802.3/802.3u/802.3x with 10/100M, full/half-duplex, MDI/MDIX auto-sensing RJ45 ports. The EDS-205 Series is rated to operate at temperatures ranging from -10 to 60°C, and is rugged enough for any harsh industrial environment. The switches can be easily installed on a DIN rail as well as in distribution boxes. The DIN-rail mounting capability, wide operating temperature, and the IP30 housing with LED indicators make the plug-and-play EDS-205 switches reliable and easy to use.

## **Specifications**

#### **Ethernet Interface**

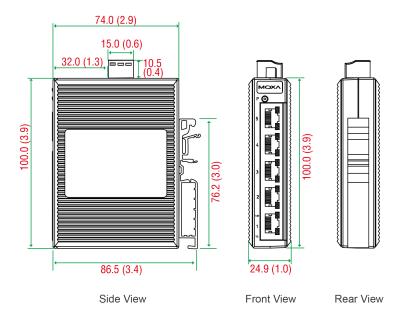
Standards	IEEE 802.3 for 10BaseT IEEE 802.3u for 100BaseT(X) IEEE 802.3x for flow control
10/100BaseT(X) Ports (RJ45 connector)	Full/Half duplex mode Auto MDI/MDI-X connection Auto negotiation speed
Switch Properties	
Processing Type	Store and Forward
MAC Table Size	2 K
Packet Buffer Size	512 kbits
Power Parameters	
Input Voltage	12 to 48 VDC
Input Current	0.12 A @ 24 VDC
Connection	1 removable 3-contact terminal block(s)
Overload Current Protection	1.1 A @ 24 VDC
Reverse Polarity Protection	Supported

## **Physical Characteristics**

Physical Characteristics	
Housing	Plastic
IP Rating	IP30
Dimensions	24.9 x 100 x 86.5 mm (0.98 x 3.94 x 3.41 in)
Weight	135 g (0.30 lb)
Installation	DIN-rail mounting
Environmental Limits	
Operating Temperature	-10 to 60°C (14 to 140°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	UL 508 EN 62368-1
EMC	EN 55032/35
EMI	CISPR 32, FCC Part 15B Class A
EMS	IEC 61000-4-2 ESD: Contact: 4 kV; Air: 8 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 3 V/m IEC 61000-4-4 EFT: Power: 1 kV; Signal: 0.5 kV IEC 61000-4-5 Surge: Power: 1 kV; Signal: 1 kV IEC 61000-4-6 CS: 3 V IEC 61000-4-8 PFMF
Shock	IEC 60068-2-27
Vibration	IEC 60068-2-6
Freefall	IEC 60068-2-32
MTBF	
Time	3,915,945 hrs
Standards	Telcordia (Bellcore), GB
Warranty	
Warranty Period	5 years
Details	See www.moxa.com/warranty
Package Contents	
Device	1 x EDS-205 Series switch
Documentation	1 x quick installation guide 1 x warranty card

### **Dimensions**

Unit: mm (inch)



# **Ordering Information**

Model Name	10/100BaseT(X) Ports RJ45 Connector	Housing Material	Operating Voltage	Operating Temp.
EDS-205	5	Plastic	12-48 VDC	-10 to 60°C

# **Accessories (sold separately)**

### **Power Supplies**

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 $70^{\circ}$ C operating temperature

#### **Rack-Mounting Kits**

RK-4U	19-inch rack-mounting kit

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