

# EDS-205 Series

## 5-port entry-level unmanaged Ethernet switches



### 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)	5 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	768 kbits

### Power Parameters

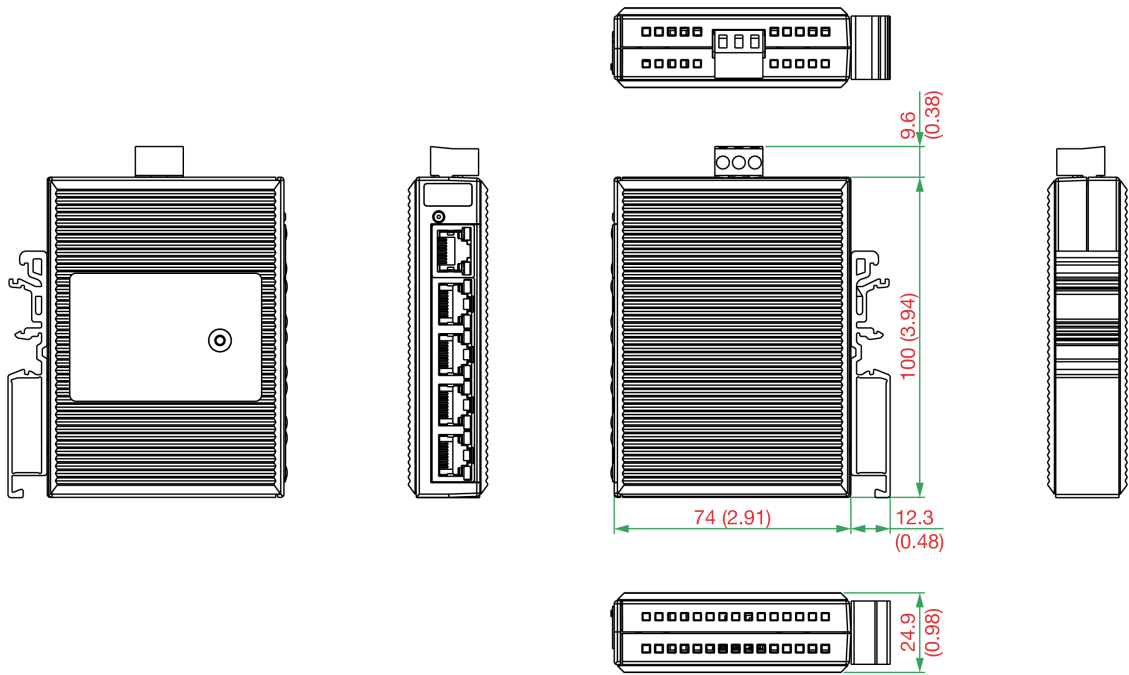
Input Voltage	12/24/48 VDC, 24 VAC <sup>1</sup>
Operating Voltage	9.6 to 60 VDC, 18 to 30 VAC
Input Current	12 to 48 VDC, 0.06 to 0.02 A or 24 VAC, 50-60Hz, 0.07 A (max.)
Power Consumption	0.77 W (max.)
Connector	1 removable 3-contact terminal block(s)

1. 24 VAC only for models with hardware version 3.0.0 or later

Overload Current Protection	Supported
Reverse Polarity Protection	Supported
<b>Physical Characteristics</b>	
Housing	Plastic
IP Rating	IP30
Dimensions	24.9 x 100 x 74 mm (0.98 x 3.94 x 2.91 in)
Weight	111 g (0.24 lb)
Installation	DIN-rail mounting
<b>Environmental Limits</b>	
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)
<b>Standards and Certifications</b>	
Safety	UL 61010-2-201 EN 62368-1
EMC	EN 55032/35
EMI	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: 10 V/m IEC 61000-4-4 EFT: Power: 2 kV; Signal: 1 kV IEC 61000-4-5 Surge: Power: 2 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
<b>MTBF</b>	
Time	18,921,624 hrs
Standards	Telcordia (Bellcore), GB
<b>Warranty</b>	
Warranty Period	5 years
Details	See <a href="http://www.moxa.com/warranty">www.moxa.com/warranty</a>
<b>Package Contents</b>	
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, 24 VAC	-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°C operating temperature

Rack-Mounting Kits

RK-4U	19-inch rack-mounting kit
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