

# EDS-2008-ELP Series

## 8-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-2008-ELP series of industrial Ethernet switches have eight 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-2008-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-2008-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-2008-ELP Series has passed a 100% burn-in test to ensure it will function reliably after it has been deployed. The EDS-2008-ELP Series has a standard operating temperature range of -10 to 60°C.

## Specifications

### Ethernet Interface

|                                       |   |
|---------------------------------------|---|
| 10/100BaseT(X) Ports (RJ45 connector) | 8<br>Full/Half duplex mode<br>Auto MDI/MDI-X connection<br>Auto negotiation speed   |
| Standards                             | IEEE 802.3 for 10BaseT<br>IEEE 802.3u for 100BaseT(X) and 100BaseFX<br>IEEE 802.3x for flow control<br>IEEE 802.1p for Class of Service |

### 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) |
|--------------------|--|

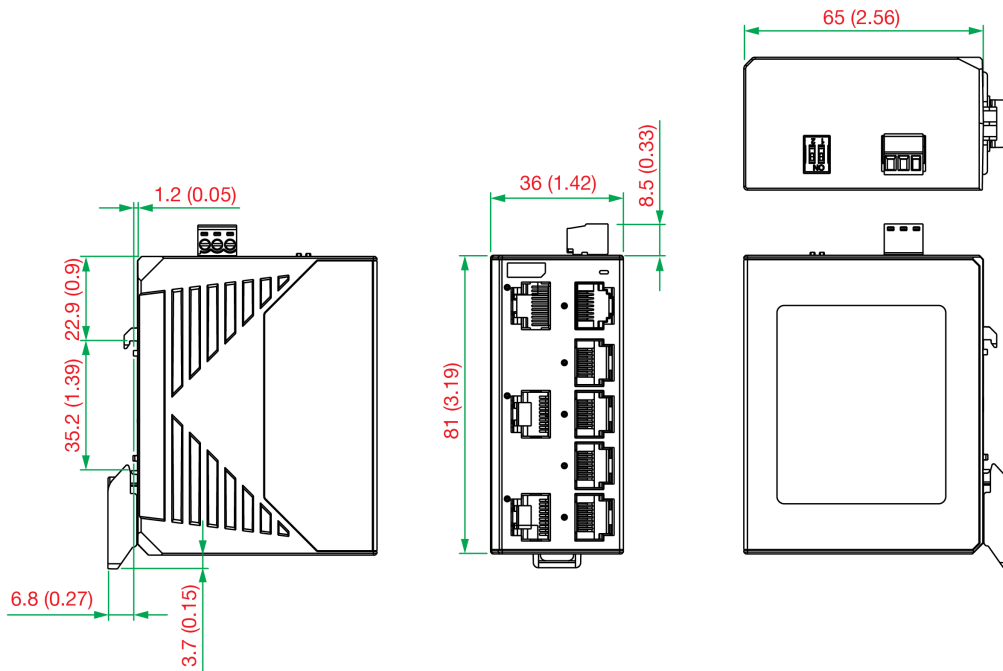
### Power Parameters

|               |   |
|---------------|---|
| Connection    | 1 removable 3-contact terminal block(s) |
| Input Current | 0.067 A @ 24 VDC                        |

|  |  |
|--|--|
| Input Voltage                          | 12/24/48 VDC   |
| Operating Voltage                      | 9.6 to 60 VDC  |
| Overload Current Protection            | Supported  |
| Reverse Polarity Protection            | Supported  |
| <b>Physical Characteristics</b>        |  |
| Dimensions                             | 36 x 81 x 65 mm (1.4 x 3.19 x 2.56 in)   |
| Installation                           | DIN-rail mounting, Wall mounting (with optional kit)   |
| Housing                                | Plastic  |
| Weight                                 | 90 g (0.2 lb)  |
| <b>Environmental Limits</b>            |  |
| 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)   |
| <b>Standards and Certifications</b>    |  |
| Safety                                 | UL 61010-2-201, EN 62368-1 (LVD)   |
| EMC                                    | EN 55032/35  |
| EMI                                    | CISPR 22, 32, FCC Part 15B Class A   |
| EMS                                    | IEC 61000-4-2 ESD: Contact: 6 kV; Air: 8 kV<br>IEC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m<br>IEC 61000-4-4 EFT: Power: 2 kV; Signal: 2 kV<br>IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV<br>IEC 61000-4-6 CS: 10 V<br>IEC 61000-4-8 PFMF |
| Shock                                  | IEC 60068-2-27   |
| Vibration                              | IEC 60068-2-6  |
| Freefall                               | IEC 60068-2-32   |
| <b>MTBF</b>                            |  |
| Time                                   | 3,472,660 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-2008 Series switch   |
| Documentation                          | 1 x quick installation guide<br>1 x warranty card  |

## Dimensions

Unit: mm (inch)



## Ordering Information

| Model Name   | 10/100BaseT(X) Ports (RJ45 connector) | Housing | Operating Temperature |
|--------------|---------------------------------------|---------|-----------------------|
| EDS-2008-ELP | 8                                     | 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   | 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                                     |
| 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 |
|-------|---|

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