

## EX32008 Series

Industrial Unmanaged 7 to 8-port 10/100BASE-TX and 1-port 100BASE-FX Ethernet Switch



## Overview

EtherWAN's EX32008 Series is a industrial unmanaged Fast Ethernet switching platform, designed for easy deployment in harsh environments. The EX32008 Series supports 12 to 48VDC redundant power input, and also provides relay alarm while power failure or port link down occur.

The EX32008 is equipped with eight Fast Ethernet ports, or a combination of Fast Ethernet copper ports and one 100FX port for long distance connectivity. This versatile switch features 10/100Mbps transfer speeds, full/half-duplex auto-negotiation and auto MDI/MDIX operation allowing you to connect your network devices without hassles.

The EX32008 is feature-rich with full wire speed Fast Ethernet throughput, QoS (Quality of Service), and IEEE802.3az EEE (Energy Efficient Ethernet). The EX32008 Series is built with relay alarm to notify users when power fails or link down occurs. It also supports port link down alarm by enabling the DIP switch. The EX32008 Series is housed with DIN rail mountable plastic compact case which is an ideal solution for applications in harsh environments.

EtherWAN — **"When Connectivity is Crucial."**

## Spotlight

### + Industrial Grade

- Supports -10 to 60°C (14 to 140°F) operating temperature

### + High Reliability

- Fanless design

### + Fiber Connectivity

- Up to one 100BASE-FX port with SC, ST, WDM options

# Specifications

## + Technology

### Standards

- IEEE 802.3u 100BASE-TX/FX
- IEEE 802.3x full-duplex flow control
- IEEE 802.3az Energy Efficient Ethernet
- IEEE 802.1p Quality of Service (QoS)

### Forward/Filtering Rate

- 14,880pps for 10Mbps
- 148,810pps for 100Mbps

### Packet Buffer Memory

- 448K bits

### Processing Type

- Store-and-Forward
- Auto Negotiation
- Half-duplex back-pressure and IEEE 802.3x full-duplex flow control
- Auto MDI/MDIX

### Address Table Size

- 1K MAC addresses

## + Interface

### Ethernet

- 10/100BASE-TX: 8 or 7 ports
- 100BASE-FX: 0 or 1 port

### LED Indicators

- Per Unit: Power 1 (Green), Power 2 (Green), Fault (Red)
- Per Port: Link/Activity (Green)

### DIP Switches

- Enable/Disable Port fault alarm

### Alarm Contact

- One relay output with current 1A@250VAC
- Supports normal close and normal open

## + Environmental

### Operating Temp.

- -10 to 60°C (14 to 140°F)

### Storage Temp.

- -40 to 85°C (-40 to 185°F)

### Ambient Relative Humidity

- 5% to 95% (non-condensing)

## + Power

### Input

- 12-48VDC (Terminal Block)

### Power Consumption

- 2.47W@24VDC

### Protection

- Reverse Polarity Protection

## + Physical

### Casing Material

- Plastic Case

### IP Rating

- IP30

### Dimensions

- 35 x 86 x 149mm (W x D x H) (1.4" x 3.44" x 5.96")

### Weight

- 0.3Kg (0.66lbs)

### Installation Type

- DIN-Rail (Top hat type 35mm) mounting

## + Regulatory

### ISO

- Manufactured in ISO-9001 facility

### EMI

- FCC Part 15B Class A
- VCCI Class A
- EN 61000-6-4
- EN 61000-3-2
- EN 61000-3-3
- EN 55022 Class A

### EMS

- EN 61000-6-2
  - - EN 61000-4-2 (ESD)
  - - EN 61000-4-3 (Radiated RFI)
  - - EN 61000-4-4 (Burst)
  - - EN 61000-4-5 (Surge)
  - - EN 61000-4-6 (Induced RFI)
  - - EN 61000-4-8 (Magnetic field)

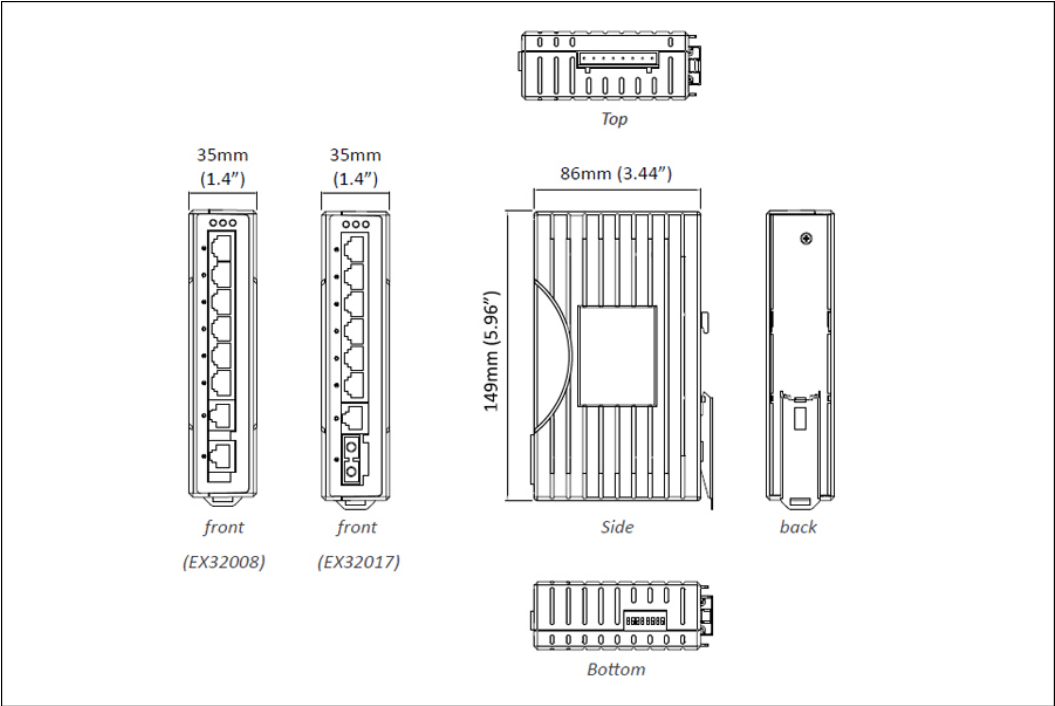
### Safety

- UL 60950
- UL 62368

### Environmental Test Compliance

- IEC 60068-2-6 Fc (Vibration)
- IEC 60068-2-27 Ea (Shock)
- FED STD 101C Method 5007.1 (Free fall w/package)
  - - Tested with Cross Weight and Drop High standard table

# Dimensions



# Ordering Info

## + Model

EX32008	8-port 10/100BASE-TX Industrial Unmanaged Ethernet Switch
EX32017-XY	7-port 10/100BASE-TX +1-port 100BASE-FX Industrial Unmanaged Ethernet Switch

\* DIN-Rail mounting kit included.

## + 100FX Fiber Options (XY)

1A	Multi Mode (SC) - 2Km
1B	Multi Mode (ST) - 2Km
2A	Single Mode (SC) - 20Km
2D	Single Mode (ST) - 20Km
2E	Single Mode (SC) WDM-TX: 1310nm/RX: 1550nm-20Km
2G	Single Mode (SC) WDM-TX: 1550nm/RX: 1310nm-20Km

\* More 100FX Fiber options also available upon request.

## + Optional Accessories

HDR-30-24	30W/1.5A DIN-Rail 24VDC Industrial Power Supply
HDR-60-24	60W/2.5A DIN-Rail 24VDC Industrial Power Supply
EDR-75-24	75W/3.2A DIN-Rail 24VDC Industrial Power Supply

