

## 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

### + Fiber Connectivity

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

### + High Reliability

Fanless design

## 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

### + 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

## + 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)

## + 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**

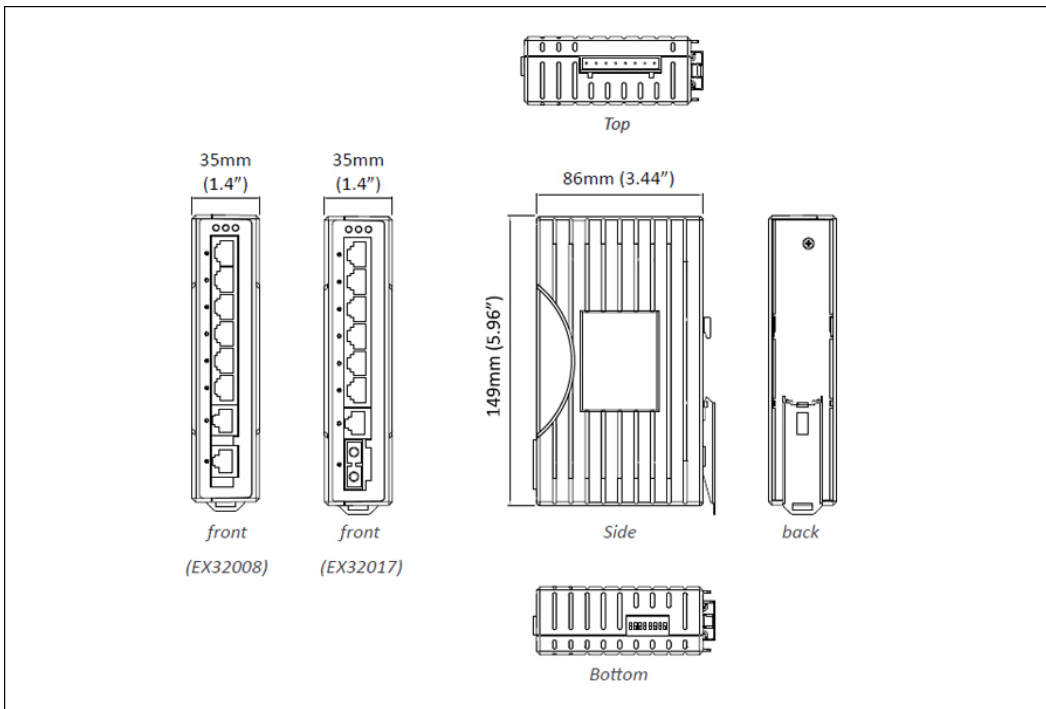
IEC 60068-2-6 Fc (Vibration)

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

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

\* DIN-Rail mounting kit included.

### 100FX Fiber Options (XY)

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

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

### Optional Accessories

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



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