EX32008 Series

Industrial Unmanaged 8-port 10/100BASE Ethernet Switch

EtherWAN

UL 62368   UL 60950   Fanless

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 IEEE 802.3az 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
  - No moving parts

Hardware 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 and 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

Mechanical

Casing
- Plastic Case
- 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
- DIN-Rail (Top hat type 35mm) mounting

Interface

Ethernet Ports
- 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

Environment

Operating Temperature
- -10 to 60°C (14 to 140°F)

Storage Temperature
- -40 to 85°C (-40 to 185°F)

Ambient Relative Humidity
- 5% to 95% (non-condensing)

Regulatory Approvals

ISO
- Manufactured in an ISO 9001 facility

Safety

UL 60950

UL 62368

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 Standards)
- EN 61000-4-3 (Radiated FRI Standards)
- EN 61000-4-4 (Burst Standards)
- EN 61000-4-5 (Surge Standards)
- EN 61000-4-6 (Induced RFI Standards)
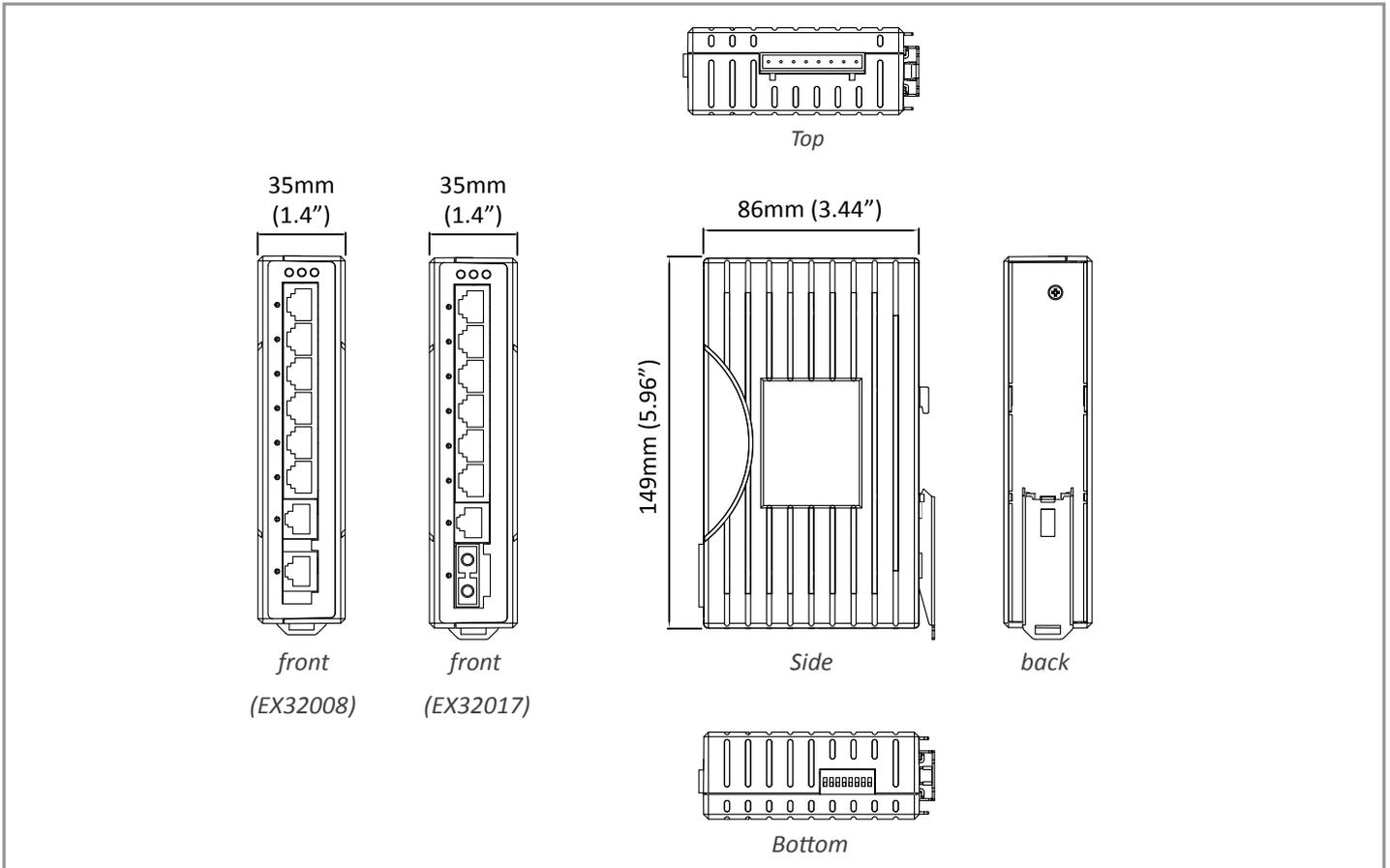- EN 61000-4-8 (Magnetic Field Standards)

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

Top

35mm (1.4") 35mm (1.4") 86mm (3.44")

149mm (5.96")

front (EX32008) *front (EX32017)* *Side* *back*

Bottom

Ordering Information

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