

EX34000 Series

Industrial Unmanaged 8-port 10/100BASE PoE (4 x PoE)
Ethernet Switch



Overview

EtherWAN's EX34000 Series provides an industrial 8-port switching platform supporting IEEE 802.3af Power over Ethernet, high performance switching with robust features required for mission-critical and harsh environments where sustained connectivity is crucial.

The EX34000 Series is equipped with 4 10/100BASE-TX PoE ports, in combination with two 100FX Fiber options.

The IEEE 802.3af PoE ports provide up to 15.4W/port with a total power budget of 61.6W, making the switch truly versatile for connecting with PoE Powered Devices (PD) with different bandwidth and power consumption requirements.

EtherWAN—"When Connectivity is Crucial."

Spotlight

- **Industrial Grade**
 - Supports -10 to 60°C (14 to 140°F) operating temperature.
- **PoE Connectivity**
 - Port 1 to 4 supports IEEE 802.3af Power over Ethernet.
- **Fiber Connectivity**
 - Up to two 100BASE-FX ports with SC and ST options.

Hardware Specifications

Technology

Standards

- IEEE 802.3 10BASE-T
- IEEE 802.3u 100BASE-TX/100BASE-FX
- IEEE 802.3af Power over Ethernet
- IEEE 802.3x Full duplex and flow control

Forward and Filtering Rate

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

Packet Buffer Memory

- 1M 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

- 1024 MAC addresses

Power

Input

- Redundant power inputs:
Terminal Block: 47-55VDC
DC Jack: 47-55VDC

Power Consumption

- Device: Max. 10W (without PoE)
- PoE Power Budget (depends on power input): 61.6W Max.

PoE Technology

- Alternative B
Pins 7/8(-), 4/5(+)

PoE Power Output

- Port 1 to 4
- IEEE 802.3af: up to 15.4W/port, 47-55VDC, 350mA Max.

Protection

- Reverse polarity protection

Mechanical

Casing

- Aluminum Case
- IP30

Dimensions

- 62 x 110 x 135mm (W x D x H)
(2.44" x 4.33" x 5.31")

Weight

- 1Kg (2.2lbs.)

Installation

- DIN-Rail (Top hat type 35mm), panel, or rack mounting

Interface

Ethernet Ports

- 10/100BASE-TX: 6, 7 or 8 ports
- 100BASE-FX: 0, 1 or 2 ports

LED Indicators

- Per Unit: Power 1 (Green), Power 2 (Green), Power 3 (Green)
- Per Port: Link/Activity (Green)

Alarm Contact

- One relay output with current 1A/24VDC

Environment

Operating Temperature

- -10 to 60°C (14 to 140°F)
Tested @ -20 to 70°C (-4 to 158°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

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 RFI 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)

EN 55024

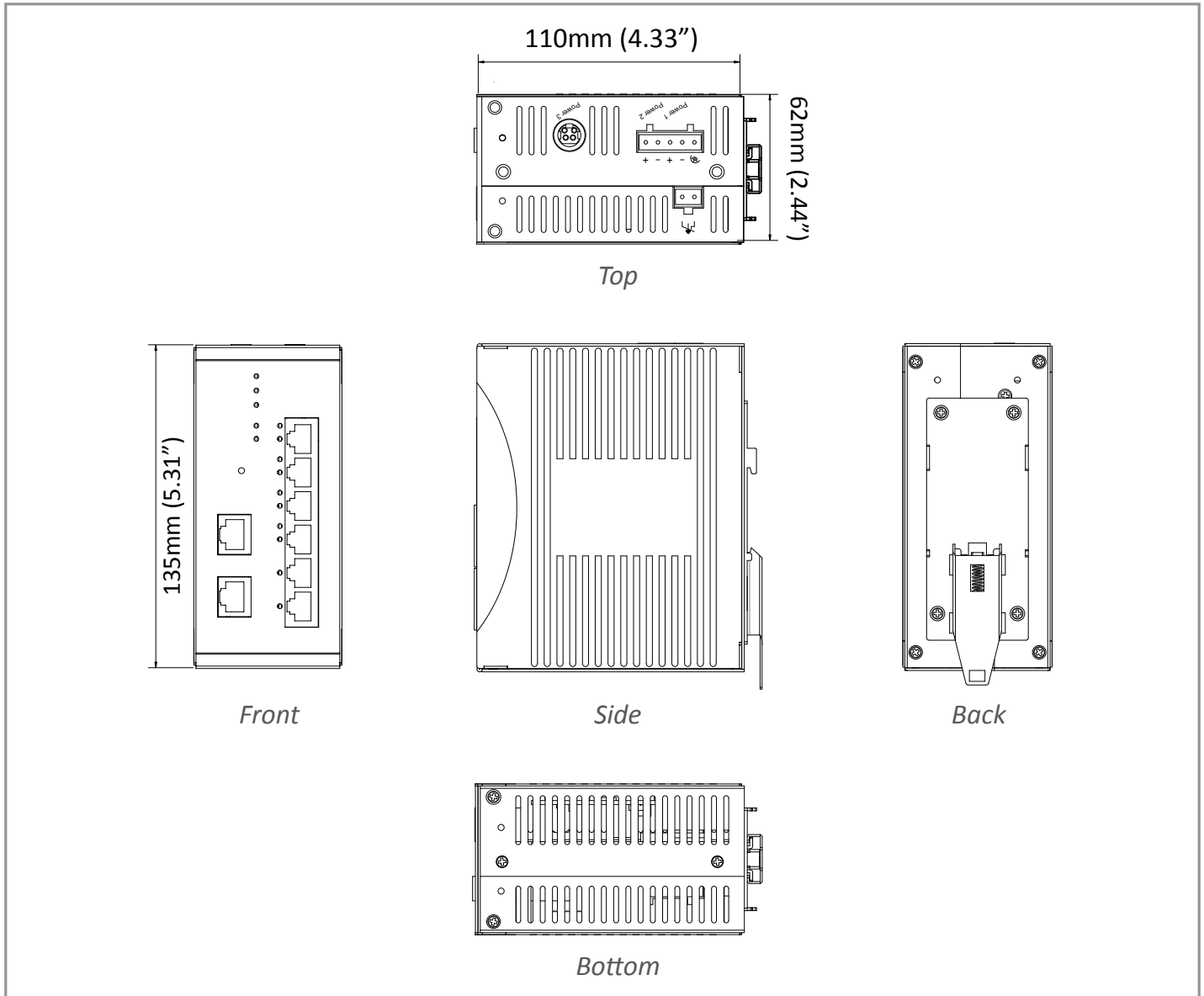
Environmental Test Compliances

IEC 60068-2-6 Fc (Vibration)

IEC 60068-2-27 Ea (Shock)

FED STD 101C Method 5007.1 (Free fall w/package)

Dimensions



Ordering Information

Model

EX34080-00B	8-port 10/100BASE-TX PoE Industrial Unmanaged Ethernet Switch
EX34071-X0B	7-port 10/100BASE-TX +1-port 100BASE-FX PoE Industrial Unmanaged Ethernet Switch
EX34062-X0B	6-port 10/100BASE-TX +2-port 100BASE-FX PoE Industrial Unmanaged Ethernet Switch

* DIN-Rail mounting kit included.

100FX Fiber Options (X)

1	Multi Mode (SC) - 2Km
2	Multi Mode (ST) - 2Km
6	Multi Mode (SC) WDM-TX: 1310nm/RX: 1550nm-2Km
7	Multi Mode (SC) WDM-TX: 1550nm/RX: 1310nm-2Km
8	Multi Mode (SC) WDM-TX: 1310nm/RX: 1550nm-5Km
9	Multi Mode (SC) WDM-TX: 1550nm/RX: 1310nm-5Km
A	Single Mode (SC) - 20Km
B	Single Mode (SC) - 40Km
H	Single Mode (ST) - 20Km
P	Single Mode (SC) WDM-TX: 1310nm/RX: 1550nm-20Km
Q	Single Mode (SC) WDM-TX: 1550nm/RX: 1310nm-20Km
R	Single Mode (SC) WDM-TX: 1310nm/RX: 1550nm-40Km
S	Single Mode (SC) WDM-TX: 1550nm/RX: 1310nm-40Km

* More 100FX Fiber options also available upon request.

Optional Accessories

KP-AA96-480	Panel Mounting Kit
KR-BK-43-400	Rack Mounting Kit
EXGS-120A-48	Power Supply 120W 48VDC with Latch
EDR-120-48	120W/2.5A DIN-Rail 48VDC Industrial Power Supply