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 IEEE802.3af 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 IEEE802.3af 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°C to 60°C (14°F to 140°F) operating temperature
- **PoE Connectivity**
  - Port 1 to 4 supports IEEE802.3af Power over Ethernet
- **Fiber Connectivity**
  - Up to two 100BASE-FX ports with SC and ST options

Hardware Specifications

Technology

Standards
- IEEE802.3 10BASE-T
- IEEE802.3u 100BASE-TX/100BASE-FX
- IEEE802.3af Power over Ethernet
- IEEE802.3x 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 IEEE802.3x 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 Power Output
- Port 1 to 4
- IEEE802.3af: up to 15.4W/port, 47 - 55VDC, 350mA Max.

Protection
- Reverse polarity protection

Mechanical

Casing
- Aluminum case
- IP30

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

Weight
- 1Kg (2.2lbs.)

Installation
- DIN-Rail (Top hat type 35mm), Panel, or Rack mounting

Interface

Ethernet Ports
- 10/100BASE-TX: 8, 7 or 6 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°C to 60°C (14°F to 140°F)
  Tested @ -20°C to 70°C (-4°F to 158°F)

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

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

Regulatory Approvals

ISO
- Manufactured in an ISO9001 facility

EMI

FCC Part 15B, Class A

VCCI, Class A

EN61000-6-4

EN55022 Class A

EMS

EN61000-6-2
- EN61000-4-2 (ESD Standards)
- EN61000-4-3 (Radiated RFI Standards)
- EN61000-4-4 (Burst Standards)
- EN61000-4-5 (Surge Standards)
- EN61000-4-6 (Induced RFI Standards)
- EN61000-4-8 (Magnetic Field Standards)

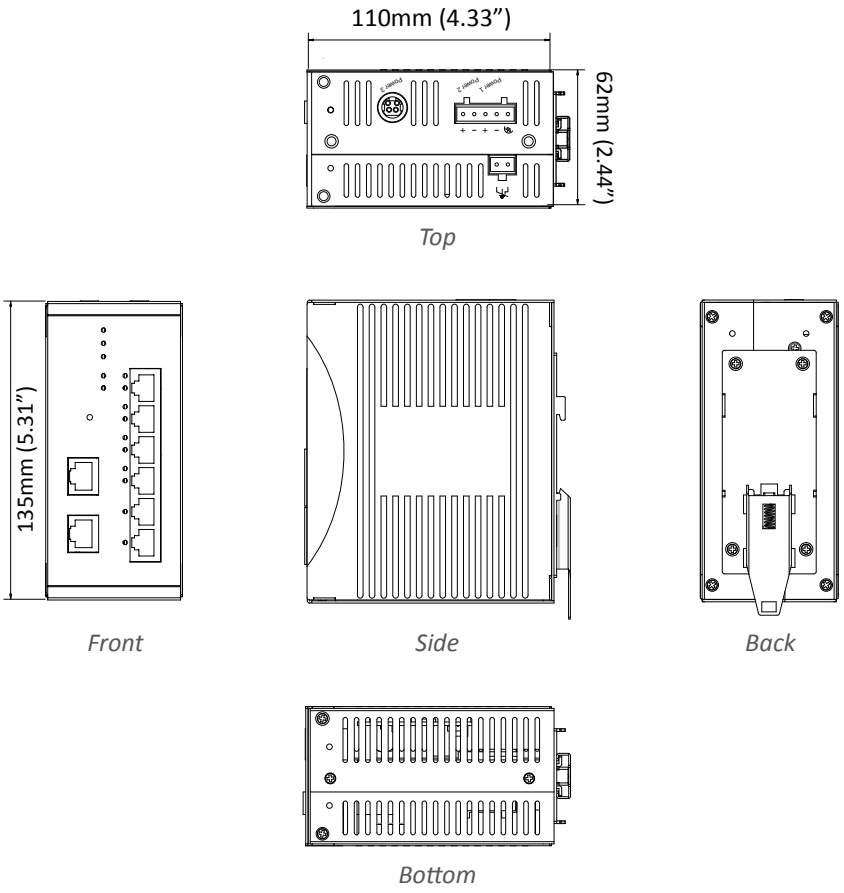
Environmental Test Compliances

IEC60068-2-6 Fc (Vibration)

IEC60068-2-27 Ea (Shock)

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

Dimensions



Ordering Information

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

** DIN-Rail mounting kit included*

Ordering Information - continued

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
GS120A-48	120W/2.5A 48VDC Power Adapter with Latched DC Jack in Plastic Housing (for DC Jack)
DR-120-48	120W/2.5A DIN-Rail 48VDC Industrial Power Supply (for Terminal Block)