EX34000 Series

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



Overview

This product is discontinued as of 28th August 2020.click here for alternative product.

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 IEEE802.3af Power over Ethernet

Fiber Connectivity

» Up to two 100BASE-FX ports with SC and ST options

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 61000-3-2
EN 61000-3-3
EN 61000-6-4
EN 55022 Class A

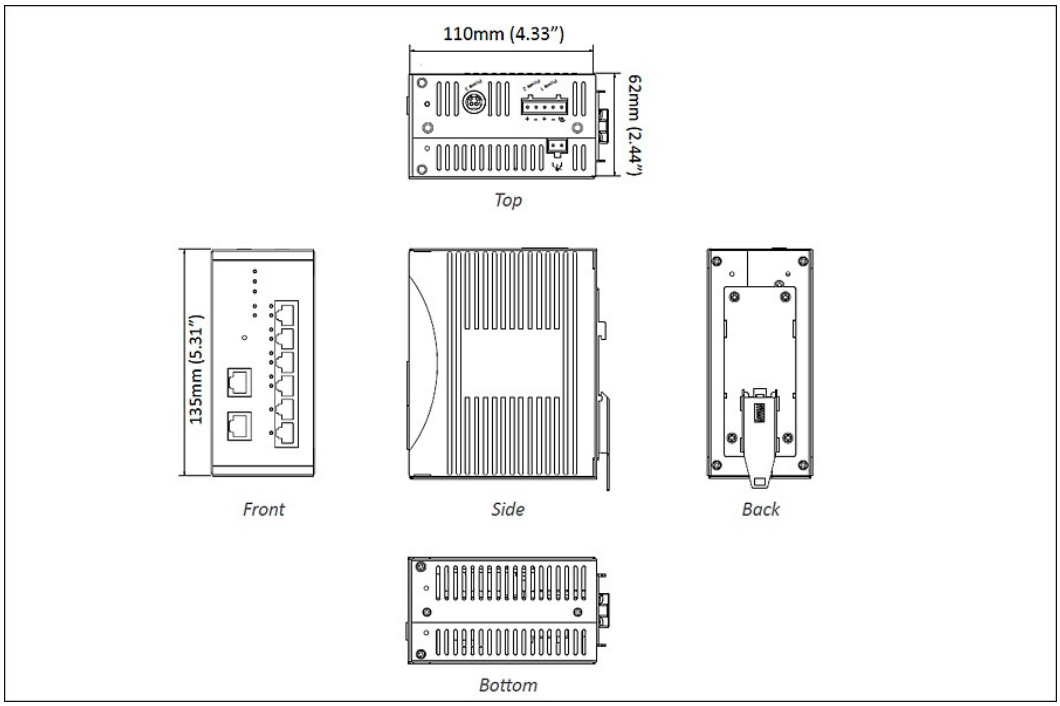
EMS

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 Info

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-BK43-400	Rack Mounting Kit
EXGS-120A-48	Power Supply 120W 48VDC with Latch
EDR-120-48	120W/2.5A DIN-Rail 48VDC Industrial Power Supply



© EtherWAN Systems, Inc. All rights reserved. 20260107

EtherWAN is constantly developing and improving products. Specifications are subject to change without notice and without incurring any obligation.