

## 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**

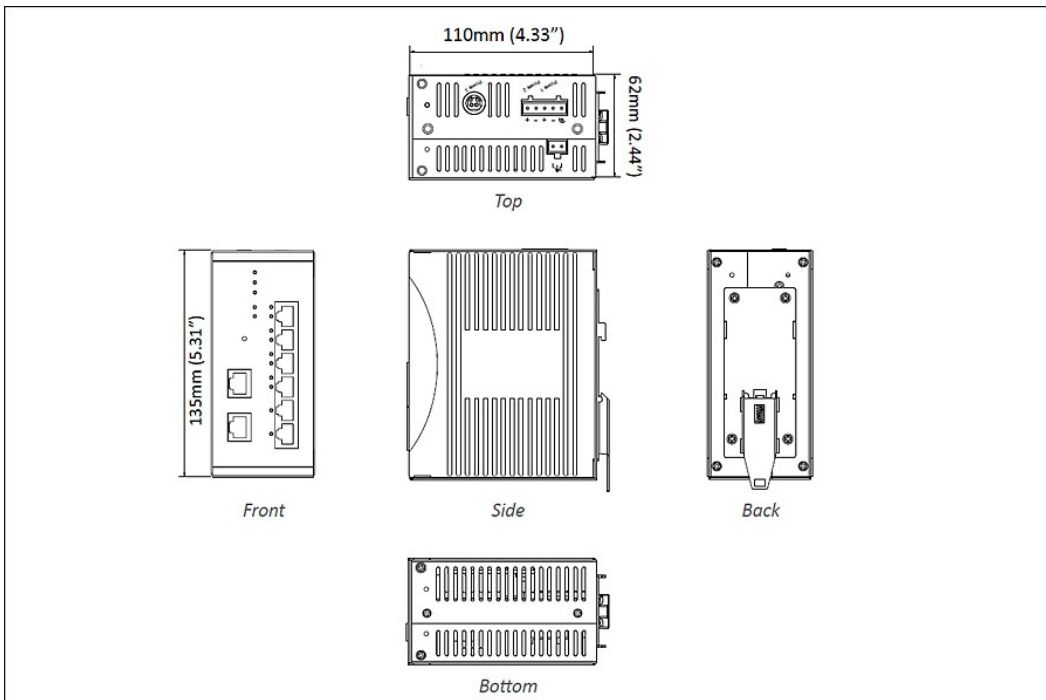
IEC 60068-2-6 Fc (Vibration)

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. 20230308

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