

# 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

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### 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

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### 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
- Overload current protection

## Mechanical

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### 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

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### 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

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### 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

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### ISO

- Manufactured in an ISO9001 facility

### EMI

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#### FCC Part 15B, Class A

#### VCCI, Class A

#### EN61000-6-4

#### EN55022 Class A

### EMS

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#### 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

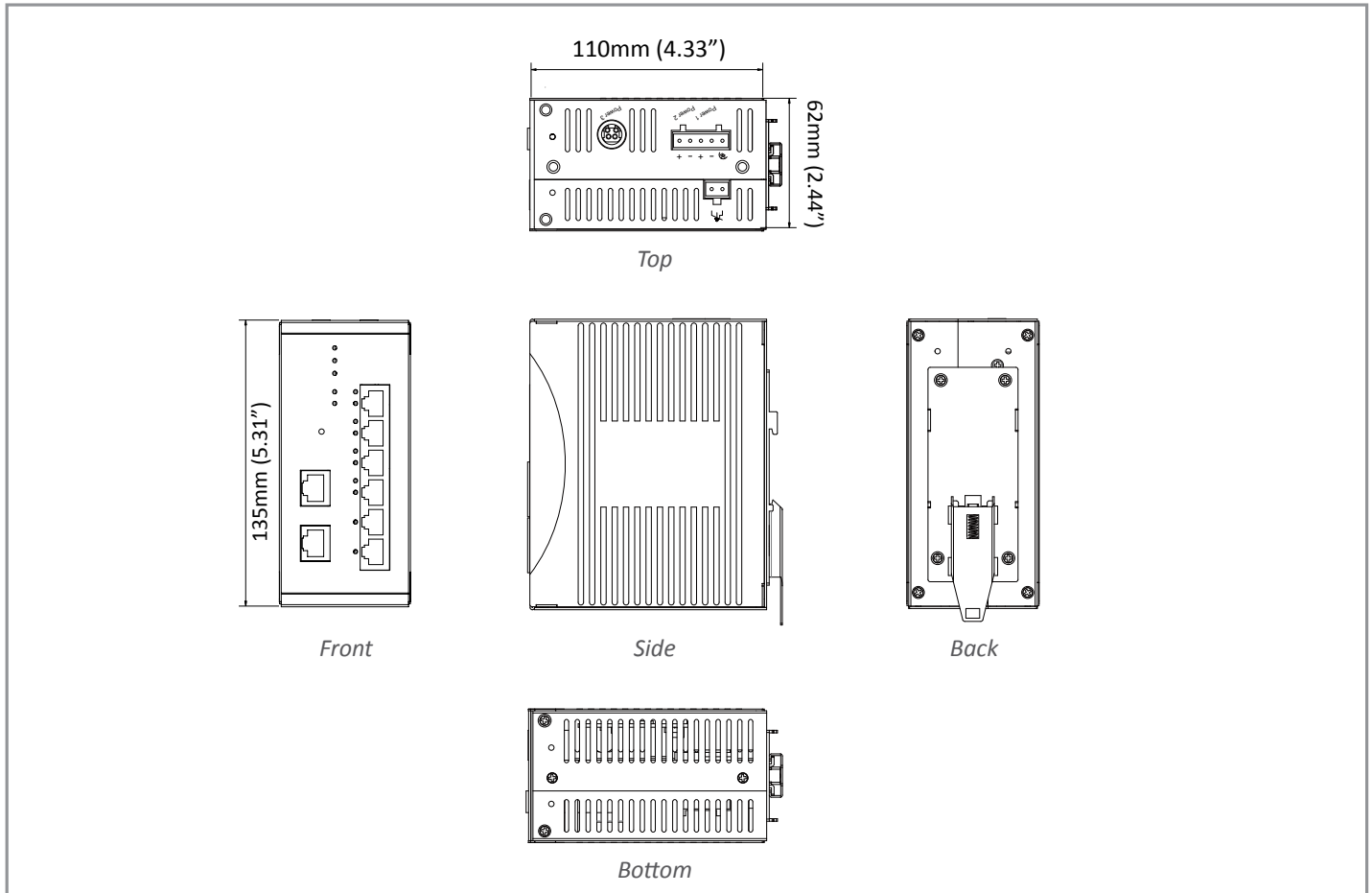
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#### IEC60068-2-6 Fc (Vibration)

#### IEC60068-2-27 Ea (Shock)

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

## Dimensions



## Ordering Information

### Model

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

\* DIN-Rail mounting kit included

### 100FX Fiber Options (X)

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

\*More 100FX Fiber options also available upon request.

## Ordering Information - continued

### Optional Accessories

<b>KP-AA96-480</b>	Panel mounting Kit
<b>KR-BK43-400</b>	Rack mounting Kit
<b>GS120A-48</b>	120W/2.5A 48VDC Power Adapter with latched DC Jack in plastic housing (for DC Jack)
<b>DR-120-48</b>	120W/2.5A DIN-Rail 48VDC Industrial Power Supply (for terminal block)