

EX33000 Series

Industrial Unmanaged 14 to 16-port 10/100BASE-TX and 2-port 100BASE-FX Ethernet Switch





Overview

EtherWAN's EX33000 Series is an industrial unmanaged Fast Ethernet switching platform, designed for easy deployment in harsh environments.

The EX33000 Series is equipped with sixteen Fast Ethernet ports, or a combination of Fast Ethernet copper ports and two 100FX ports for long distance connectivity. Although unmanaged, the EX33000 is feature rich with full wire speed Fast Ethernet throughput, making the EX33000 Series a powerful network switch.

EtherWAN — "When Connectivity is Crucial."

Spotlight

+ Industrial Grade

Supports -10°C to 60°C (14°F to 140°F) operating temperature

+ Versatile mounting Options

Supports DIN-Rail, panel and rack mounting



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



Specifications

+ Technology

Standards IEEE 802.3, 10BASE-T IEEE 802.3u 100BASE-TX/100BASE-FX IEEE 802.3x Full duplex and flow control

Forward/Filtering Rate 14,880pps for 10Mbps 148,810pps for 100Mbps

Packet Buffer Memory 1.625M bits

Processing Type Store-and-Forward Auto Negotiation Half-duplex back-pressure and IEEE 802.3x fullduplex flow control Auto MDI/MDIX

Address Table Size 4096 MAC addresses

Latency Less than 10µs

+ Interface

Ethernet Ports 10/100BASE-TX: 16, 15 or 14 ports 100BASE-FX: 0, 1 or 2 ports

LED Indicators Per Unit: Power 1 (Green), Power 2 (Green), Power 3 (Green) Per Port: Link/Act

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)



+ Power

Input

Redundant power inputs: 12 to 48VDC (Terminal Block), 12VDC (DC Jack)

Power Consumption

7.4W Max. 0.6A@12VDC, 0.3A@24VDC, 0.15A@48VDC

+ Mechanical

Casing

Aluminum Case

IP Rating IP30

Dimensions

69 x 110 x 135mm (W x D x H) (2.72" x 4.33" x 5.31")

Weight

0.87Kg (1.92lbs.)

Installation

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

+ Regulatory Approvals

ISO

Manufactured in ISO-9001 facility

EMI

FCC Part 15B Class A VCCI Class A EN 61000-6-4 EN 55022 EN 61000-3-2 EN 61000-3-3

EMS

- EN 61000-6-2 - EN 61000-4-2 (ESD)
- EN 61000-4-2 (ESD)
- EN 61000-4-3 (Radiated RFI)
- EN 61000-4-4 (Burst)
- EN 61000-4-5 (Surge)
- EN 61000-4-6 (Induced RFI)
- EN 61000-4-8 (Magnetic field)

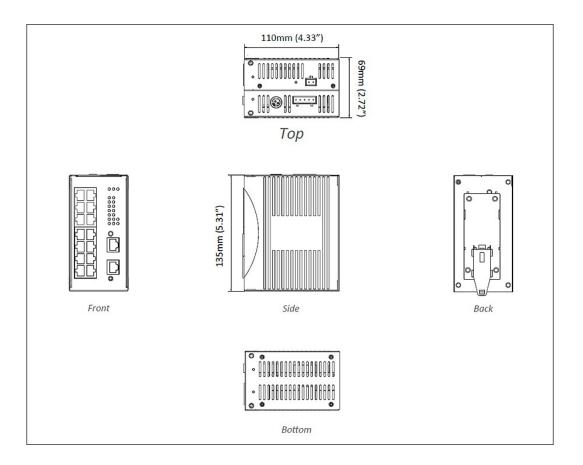
Safety

UL 508

Environmental Test Compliance 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

EX33160-00B	16-port 10/100BASE-TX Industrial Unmanaged Ethernet Switch
EX33151-X0B	15-port 10/100BASE-TX +1-port 100BASE-FX Industrial Unmanaged Ethernet Switch
EX33142-X0B	14-port 10/100BASE-TX +2-port 100BASE-FX 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

+ Optional Accessories

KP-AA96-480	Panel Mounting Kit
KR-BK-43-400	Rack Mounting Kit
HDR-30-24	30W/1.5A DIN-Rail 24VDC Industrial Power Supply
HDR-60-24	60W/2.5A DIN-Rail 24VDC Industrial Power Supply
EDR-75-24	75W/3.2A DIN-Rail 24VDC Industrial Power Supply
EX41-145046-X	Power Supply 45W 12VDC with Open Wire (X) = 1: US, 2: EU, 3: UK, 4: AU, 5: JP, 6: SA
EX41-145044-X	Power Supply 45W 12VDC with Latch (X) = 1: US, 2: EU, 3: UK, 4: AU, 5: JP, 6: SA



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