EX95000 Series

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



Overview

This product is discontinued as of 31st Mar. 2025. click here for alternative product.

EtherWAN's EX95000 Series is a hardened unmanaged Fast Ethernet switching platform, designed for easy deployment in harsh environments.

The EX95000 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 EX95000 is feature rich with full wire speed Fast Ethernet throughput, making the EX95000 Series a powerful network switch.

EtherWAN — "**When Connectivity is Crucial.**"

Spotlight

+ Hardened Grade

Supports -40°C to 75°C (-40°F to 167°F) operating temperature

+ Fiber Connectivity

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

+ Versatile mounting Options

DIN-Rail, panel or rack mounting

Specifications

Technology

Standards

IEEE 802.3 10BASE-T

IEEE 802.3u 100BASE-TX/100BASE-FX

IEEE 802.3x Full duplex and flow control

Forward and 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 full-duplex 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/Activity (Green)

Alarm Contact

One relay output with current 1A@24VDC

Environmental

Operating Temp.

-40 to 75°C (-40 to 167°F)

Storage Temp.

-40 to 85°C (-40 to 185°F)

Relative Humidity

5% to 95% (non-condensing)

Power

Input Voltage

12-48VDC (Terminal Block)

12VDC (DC Jack)

Power Consumption

7.4W Max. 0.6A@12VDC

0.3A@24VDC

0.15A@48VDC

Mechanical

Casing Material

Aluminum Case

IP Rating

IP30

Dimensions

75.5 x 110 x 135mm (W x D x H)
(2.98" x 4.33" x 5.31")

Weight

0.87Kg (1.92lbs.)

Installation

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

Regulatory

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 61000-4-3 (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

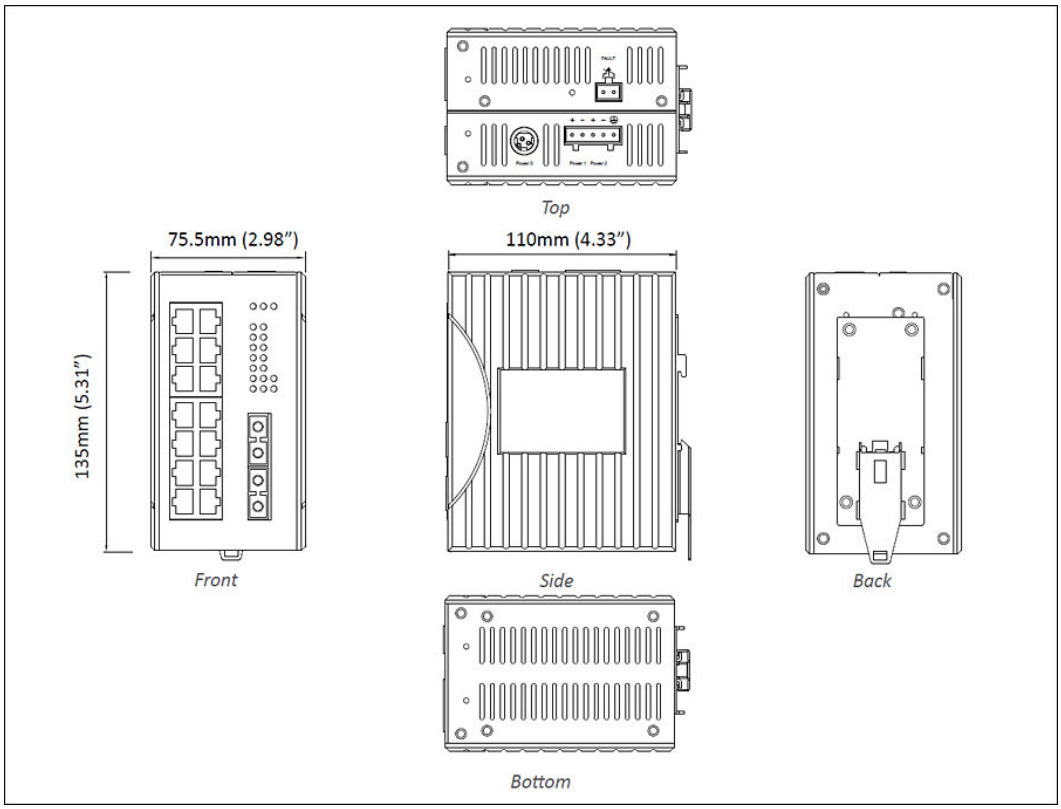
Environmental Test Compliance

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

EX95160-00B	16-port 10/100BASE-TX Hardened Unmanaged Ethernet Switch
EX95151-X0B	15-port 10/100BASE-TX +1-port 100BASE-FX Hardened Unmanaged Ethernet Switch
EX95142-X0B	14-port 10/100BASE-TX +2-port 100BASE-FX Hardened 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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