

EX43000 Series

Industrial Unmanaged 6 to 8-port 10/100BASE-TX and 1 to 2-port 100BASE-FX Ethernet Switch



Overview

EtherWAN's EX43000 Series is an industrial unmanaged Fast Ethernet switching platform, designed for easy deployment in industrial environments.

The EX43000 Series is equipped with eight Fast Ethernet ports, or a combination of Fast Ethernet copper ports and two 100FX ports for long distance connectivity. This versatile switch features 10/100Mbps transfer speeds, full/half-duplex auto-negotiation and auto MDI/MDIX operation allowing you to connect your network devices without hassles.

The EX43000 is feature-rich with full wire speed Fast Ethernet throughput, QoS (Quality of Service), IEEE802.3az EEE (Energy Efficient Ethernet) and Broadcast storm protection. The EX43000 Series is built with relay alarm to notify users when power fails or link down occurs. It also supports Broadcast storm protection by enabling the DIP switch. The EX43000 Series is housed with a DIN rail mountable metal compact case which is an ideal solution for network applications in harsh environments.

EtherWAN — "When Connectivity is Crucial."

Spotlight

+ Industrial Grade

Supports -20 to 60°C (-4 to 140°F) operating temperature

+ Port Failure Alarm and Broadcast Storm Protection

Provide relay alarm to notify users when power fails or link down occurs by DIP switch
PSelectable DIP switch to set a threshold level to prevent from performance degradation or network choking

+ Fiber Connectivity

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

+ Energy Efficient Ethernet (EEE)

Supports IEEE802.3az standard

+ High Reliability

Fanless design
No moving parts

Specifications

+ Technology

Standards

IEEE 802.3u 100BASE-TX/FX
IEEE 802.3x full-duplex flow control
IEEE 802.3az Energy Efficient Ethernet
IEEE 802.1p Quality of Service (QoS)

Forward/Filtering Rate

14,880pps for 10Mbps
148,810pps for 100Mbps

Packet Buffer Memory

448K 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

1K MAC addresses

+ Power

Input

12 to 48VDC (Terminal Block),

Power Consumption

12VDC@4.34W, 24VDC@4.57W, 48VDC@6.28W

Protection

Reverse Polarity Protection

+ Interface

Ethernet Ports

10/100BASE-TX: 8 or 6 ports
100BASE-FX: 0 or 2 ports

LED Indicators

Per Unit: Power 1 (Green), Power 2 (Green)
Per Port: Link/Activity (Green)

DIP Switches

Enable/Disable Port fault alarm
Enable/Disable Broadcast Storm Protection

Alarm Contact

One relay output with current 1A@250VAC
Supports normal close and normal open

+ 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)

+ Mechanical

Casing

Aluminum Case

IP Rating

IP30

Dimensions

43.6 x 110 x 135mm (W x D x H) (1.74" x 4.33" x 5.31")

Weight

0.51Kg (1.12lbs)

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 61000-3-2

EN 61000-3-3

EN 55022 Class A

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 60950

UL 62368

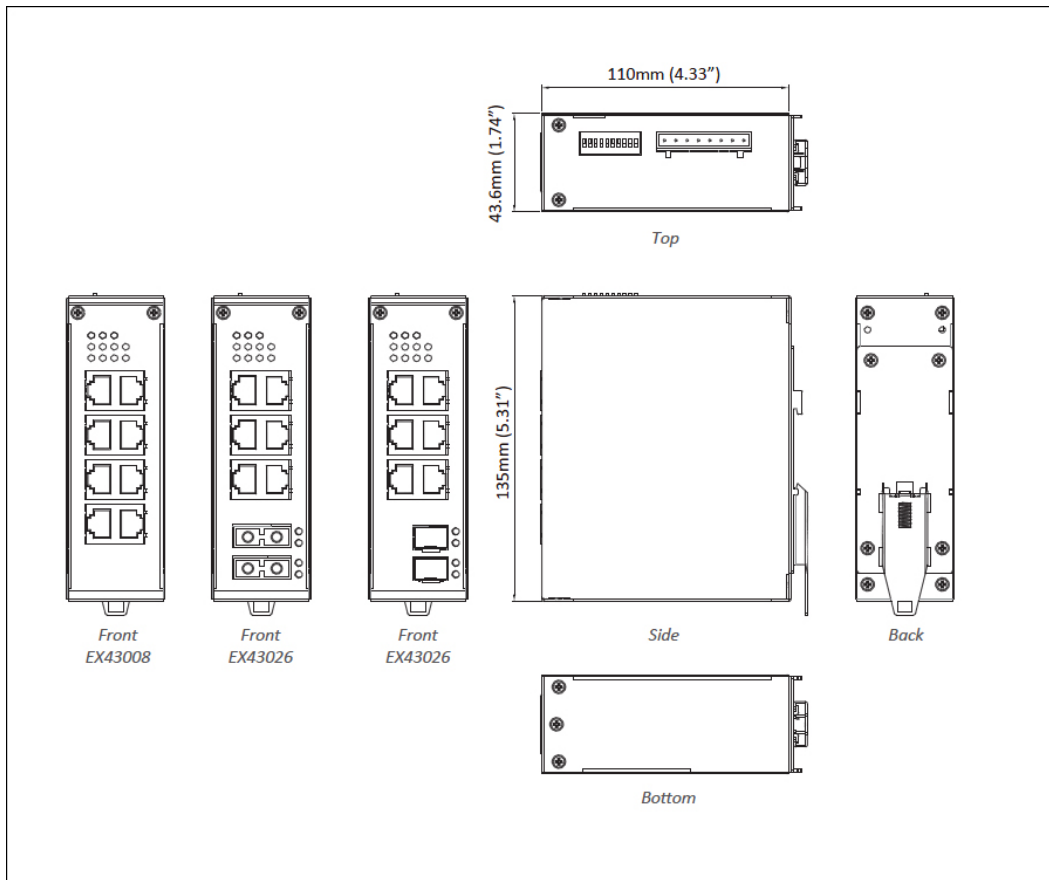
Environmental Test Compliance

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

EX43008-00-1-AA	8-port 10/100BASE-TX Industrial Unmanaged Ethernet Switch
EX43026-XY-1-AA	6-port 10/100BASE-TX +2-port 100BASE-FX Industrial Unmanaged Ethernet Switch

* DIN-Rail mounting kit included.

+ 100FX Fiber Options (XY)

1A	Multi Mode (SC) - 2Km
1B	Multi Mode (ST) - 2Km
2A	Single Mode (SC) - 20Km
2D	Single Mode (ST) - 20Km
2E	Single Mode (SC) WDM-TX: 1310nm/RX: 1550nm-20Km
2G	Single Mode (SC) WDM-TX: 1550nm/RX: 1310nm-20Km
V	100BASE SFP

* More 100FX Fiber options also available upon request.

+ Optional Accessories

KP-AA96-480	Panel Mounting Kit
KR-BKEL900	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

