EX43008

Industrial 8-port Fast Ethernet Unmanaged Switches



Overview

EtherWAN's EX43008 is a compact, industrial-grade **unmanaged Fast Ethernet switch**, designed for reliable and hassle-free deployment in harsh environments.The EX43008 features 8 Fast Ethernet ports with 10/100Mbps auto-negotiation, full/half-duplex, and auto MDI/MDIX support. These functions simplify device connectivity without the need for manual configuration.

Engineered for industrial performance, the EX43008 offers wire-speed Fast Ethernet throughput and supports advanced functions such as **Quality of Service (QoS)**, **IEEE 802.3az Energy Efficient Ethernet (EEE)**, and Broadcast Storm Protection, which can be enabled via DIP switch. A built-in relay alarm provides real-time alerts in case of power failures or link downtime, enhancing network reliability and system awareness. Housed in a rugged, DIN-rail mountable metal case, the EX43008 is ideal for mission-critical applications in factory automation, transportation systems, and intelligent infrastructure.

IEC 62443-4-2 Compliance – Built and reviewed according to IEC 62443-4-1 secure development practices.

EtherWAN — "When Connectivity is Crucial."

Spotlight

Wide Temp & Rugged Case

-20°C to 60°C operation in a fanless DIN-rail metal enclosure.

Fast & Energy Efficient

QoS and IEEE 802.3az support for smooth, low-power performance.

Port Failure Alarm & Storm Protection

Relay alarm alerts on power or link failures.

DIP switch sets thresholds to prevent network congestion and performance issues.

Plug-and-Play

8 ports, 10/100Mbps auto-negotiation, auto MDI/MDIX.

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

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

Interface

Ethernet Ports

10/100BASE-TX: 8 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)

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

Cybersecurity

IEC 62443-4-1

IEC 62443-4-2

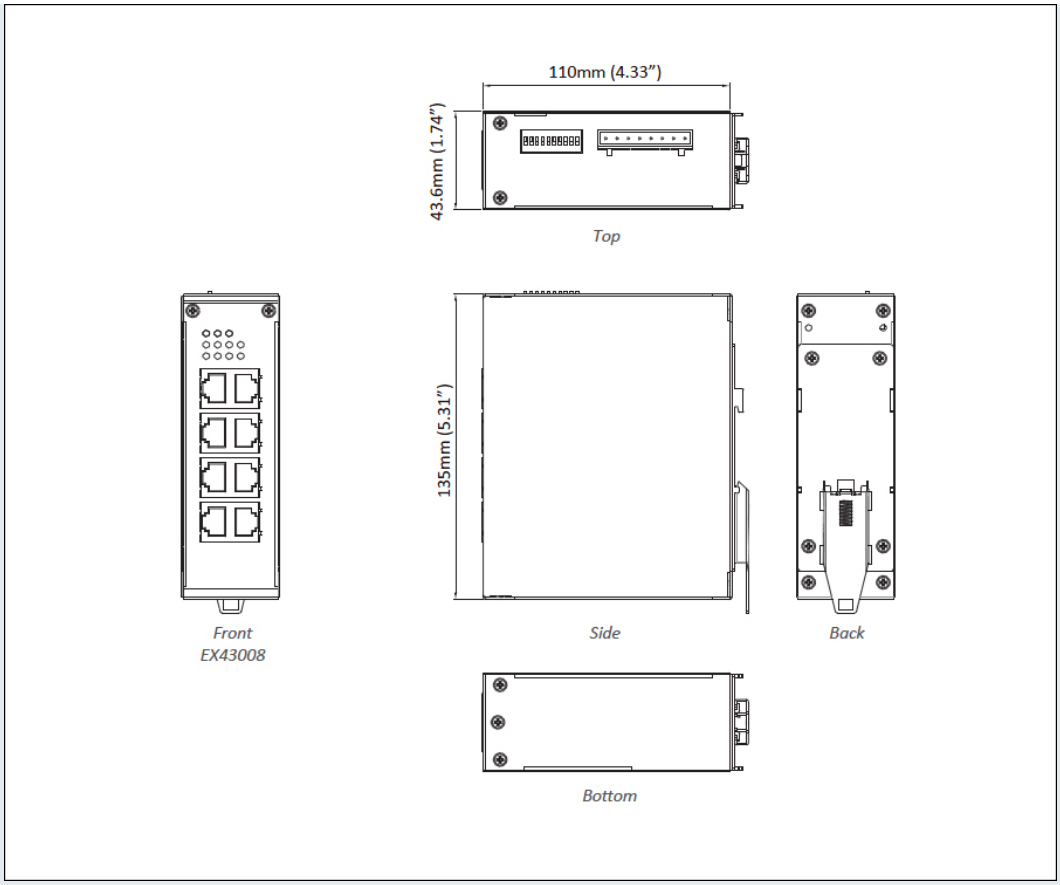
Environmental Test Compliance

IEC 60068-2-6 Fc (Vibration)

IEC 60068-2-27 Ea (Shock)

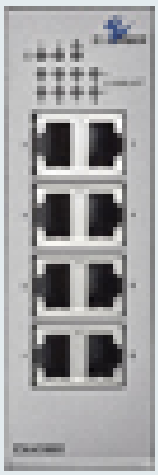
FED STD 101C Method 5007.1 (Free fall w/package)

Dimensions



Ordering Info

+ Model

	 EX43008-00-1-AA
10/100BASE T(X)	8
Network management	Unmanaged

Quote

* DIN-Rail mounting kit included.

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

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