EX42008

Hardened Unmanaged 8 port 10/100BASE-TX Ethernet Switch



Overview

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

EtherWAN's EX42008 is a hardened unmanaged Fast Ethernet switching platform, designed for easy deployment in harsh environments. The EX42008 supports 12 to 48VDC redundant power input, and also provides relay alarm while power failure or port link down occur.

The EX42008 is equipped with eight Fast Ethernet ports. 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 EX42008 is feature-rich with full wire speed Fast Ethernet throughput, QoS (Quality of Service) and IEEE802.3az EEE (Energy Efficient Ethernet). The EX42008 is built with relay alarm to notify users when power fails or link down occurs. It also supports port link down alarm by enabling the DIP switch. The EX42008 is housed with DIN rail mountable metal compact case which is an ideal solution for applications in harsh environments.

EtherWAN — "When Connectivity is Crucial."

Spotlight

Hardened Grade

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

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 and 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 IEEE802.3x full-duplex flow control

Auto MDI/MDIX

Address Table Size

1K MAC addresses

Interface

Ethernet Ports

10/100BASE-TX: 8 ports

LED Indicators

Per Unit: Power1 (Green), Power2 (Green), Fault (Red)

Per Port: Link & Activity (Green)

DIP Switches

Enable/Disable Port fault alarm

Alarm Contact

One relay output with current 1A@250VAC

Supports normal close and normal open

Environment

Operating Temperature

-40 to 75°C (-40 to 167°F)

Storage Temperature

-40 to 85°C (-40 to 185°F)

Ambient Relative Humidity

5% to 95% (non-condensing)

Power

Input

12-48VDC (Terminal Block)

Power Consumption

2.47W@24VDC

Protection

Reverse Polarity Protection

Mechanical

Casing

Aluminum Case

IP30

Dimensions

30 x 100 x 149mm (W x D x H)

(1.18" x 4" x 5.96")

Weight

0.39Kg (0.841lbs)

Installation

DIN-Rail (Top hat type 35mm) mounting

Regulatory Approvals

ISO

Manufactured in an ISO 9001 facility

Safety

UL 60950

UL 62368

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 Standards)

• EN 61000-4-3 (Radiated FRI Standards)

• EN 61000-4-4 (Burst Standards)

• EN 61000-4-5 (Surge Standards)

• EN 61000-4-6 (Induced RFI Standards)

• EN 61000-4-8 (Magnetic Field Standards)

Environmental Test Compliances

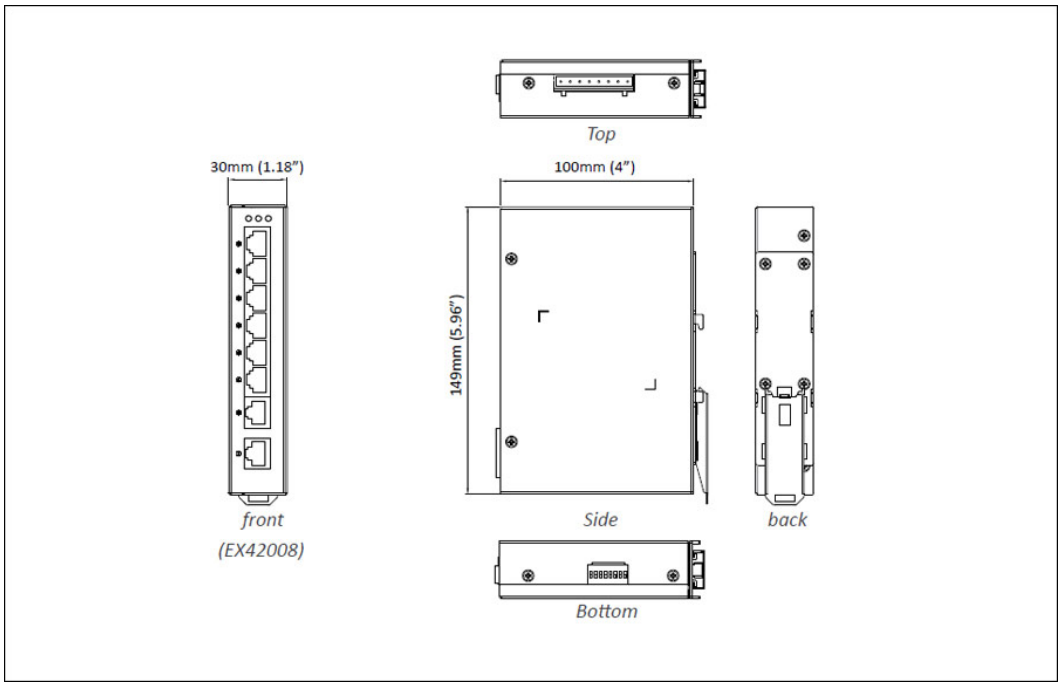
IEC 60068-2-6 Fc (Vibration)

IEC 60068-2-27 Ea (Shock)

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

• Tested with Cross Weight and Drop High standard table

Dimensions



Ordering Info

Model

EX42008	8-port 10/100BASE-TX Hardened Unmanaged Ethernet Switch

* DIN-Rail mounting kit included.

* EX42017 EOL Notice

Optional Accessories

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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