EX35000 Series

Industrial Unmanaged 8-port Gigabit Ethernet Switch



Overview

EtherWAN's EX35000 Series is an industrial unmanaged Gigabit switching platform, designed for easy deployment in harsh environments.

The EX35000 Series is equipped with eight Gigabit Ethernet ports, or a combination of Gigabit copper ports and two Gigabit fiber ports for long distance connectivity. Although unmanaged, the EX35000 is feature rich with full wire speed Gigabit throughput, making the EX35000 Series a powerful network switch.

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

Spotlight

Industrial Grade

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

Versatile mounting Options

» DIN-Rail or panel mounting

Fiber Connectivity

» Up to two 1000BASE ports with SC, ST and SFP options

Specifications

Technology

Standards

- IEEE802.3 10BASE-T
- IEEE802.3u 100BASE-TX/100BASE-FX
- IEEE802.3ab 100BASE-T
- IEEE802.3az 1000VASE-SX/LX
- IEEE802.3x Full duplex and flow control

Forward and Filtering Rate

- 14,880pps for 10Mbps
- 148,810pps for 100Mbps
- 1,488,100pps for 1000Mbps

Packet Buffer Memory

- 1.125M 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

- 8192 MAC addresses

Jumbo Frame

- 9K

Power

Input

- Redundant power inputs:
  9 to 32VDC (Terminal Block); 12VDC (DC Jack)

Power Consumption

- 6.7W Max. 0.52A @ 12VDC, 0.26A @ 24VDC

Protection

- Reverse polarity protection

Mechanical

Casing

• Aluminum Case
• IP30

Dimensions

• 68mm (W) x 110mm (D) x 135mm (H)
(2.68" (W) x 4.33" (D) x 5.31" (H))

Weight

• 0.8Kg (1.76lbs.)

Installation

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

Interface

Ethernet Ports

• Gigabit: 8 ports (2 Fiber combo ports included)

LED Indicators

• Per Unit: Power 1 (Green)
Power 2 (Green)
Power 3 (Green)
10/100M (Green)
1000M (Orange)

Alarm Contact

• One relay output with current 1A @ 24VDC

Environment

Operating Temperature

• -20°C to 60°C (-4°F to 140°F)
Tested @ -30°C to 70°C (-22°F to 158°F)

Storage Temperature

• -40°C to 85°C (-40°F to 185°F)

Ambient Relative Humidity

• 5% to 95% (non-condensing)

Regulatory Approvals

ISO

• Manufactured in an ISO9001 facility

Safety

UL 508

EMI

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

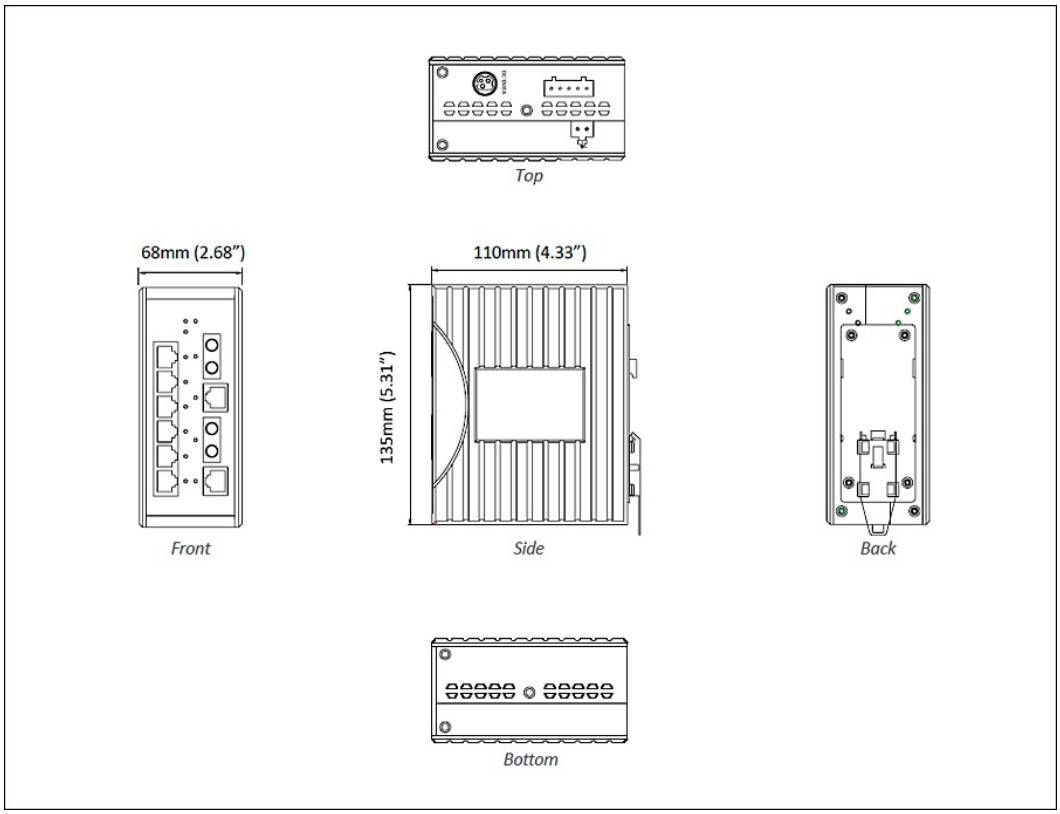
EMS

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)

Dimensions



Ordering Info

Model

EX35082-0YB	Industrial Unmanaged 6-port 10/100/1000BASE-T + 2-port combo Gigabit Ethernet Switch

* DIN-Rail mounting kit included.

Gigabit Port Options (Y)

1	10/100/1000BASE-T
3	1000BASE-SX(SC) - 550m
4	1000BASE-SX (SC) - 2Km
A	1000BASE-LX (SC) - 10Km
B	1000BASE-LX (SC) - 20Km
R	1000BASE-BX (SC) WDM-TX:1310nm/RX:1550nm - 20Km
S	1000BASE-BX (SC) WDM-TX:1550nm/RX: 1310nm - 20Km
V	1000BASE SFP

*More 1000 Fiber options also available upon request.

Optional Accessories

KP-AA96-480	Panel Mounting Kit
DR-30-24	30W/1.5A DIN-Rail 24VDC Industrial Power Supply (for Terminal Block)
DR-60-24	60W/2.5A DIN-Rail 24VDC Industrial Power Supply (for Terminal Block)
DR-75-24	75W/3.2A DIN-Rail 24VDC Industrial Power Supply (for Terminal Block)
DR-120-24	120W/5A DIN-Rail 24VDC Industrial Power Supply (for Terminal Block)
41-136046-X	36W/3A 12VDC hardened power adapter with open wire in aluminum housing (for Terminal Block) (X) = 1: US, 2: EU, 3: UK, 4: AU, 5: JP, 6: SA
41-136044-X	36W/3A 12VDC hardened power adapter with latched DC Jack in aluminum housing (for DC Jack) (X) = 1: US, 2: EU, 3: UK, 4: AU, 5: JP, 6: SA



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