EX32900 Series

Industrial Unmanaged 5 to 8-port 10/100/1000BASE-T and 1-port 1000BASE-X Gigabit Ethernet Switch



Overview

This product is discontinued. Click here for alternative product. OttoE is coming soon!

EtherWAN's EX32900 Series is a compact industrial Unmanaged Gigabit switching platform, designed for easy deployment in harsh environments.

The EX32900 Series is equipped with five or eight Gigabit Ethernet ports, or a combination of Gigabit copper ports and one Gigabit fiber port for long distance connectivity. Although unmanaged, the EX32900 is feature rich with Jumbo Frame support, full wire speed Gigabit throughput, QoS support and eco-friendly IEEE802.3az EEE (Energy Efficient Ethernet) compliant, making the EX32900 Series a powerful yet energy efficient network switch.

EtherWAN — "When Connectivity is Crucial."

Spotlight

Industrial Grade

» Supports -10 to 60°C (14 to 140°F) operating temperature
» Supports DIN-Rail mounting

Jumbo Frame Support

» Up to 10K bytes (EX32905/EX32914 Series)
» Up to 9720 bytes (EX32908/EX32917 Series)

Fiber Connectivity

» Up to one 1000BASE-SX port with SC and ST options

High Reliability

» Fanless Design
» No moving parts

Specifications

Technology

Standards

- IEEE802.3 10BASE-T
- IEEE802.3u 100BASE-TX/100BASE-FX
- IEEE802.3ab 1000BASE-T
- IEEE802.3z 1000BASE-SX/1000BASE-LX
- IEEE802.3x Full duplex flow control
- IEEE802.3az Energy Efficient Ethernet
- IEEE802.1p Quality of Service (QoS)

Forward and Filtering Rate

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

Packet Buffer Memory

- EX31905/EX32914: 1M bits
- EX32908/EX32917: 192KB

Processing Type

- Store-and-Forward
- Auto Negotiation
- Half-duplex back-pressure and IEEE802.3x full-duplex flow control
- Auto MDI/MDIX

Jumbo Frame

- EX32905/EX32914: 10K bytes
- EX32908/EX32917: 9720 bytes

Address Table Size

- EX32905/EX32914: 8K MAC addresses
- EX32908/EX32917: 4K MAC addresses

Broadcast Storm Protection Threshold (EX32908/EX32917 only)

- Limit 15000 fps@64 frame size, 600 fps@1518 frame size.

Power

Input Voltage

• 12 to 48VDC

Power Consumption

• 6.5W Max. 0.25A@24VDC

Protection

• Reverse polarity protection

Mechanical

Casing

• Plastic case
• IP30

Dimensions

• EX32905/EX32914:
26 x 76.5 x 114mm (W x D x H)
(1.02" x 3.06" x 4.33")

• EX32908/EX32917:
35 x 86 x 149mm (W x D x H)
(1.4" x 3.44" x 5.96")

Weight

• EX32905/EX32914: 0.2Kg (0.44lb.)
• EX32908/EX32917: 0.3Kg (0.66lb.)

Installation

• DIN-Rail (Top hat type 35mm)

Interface

Ethernet Ports

• EX32905/EX32914:
10/100/1000BASE-T: 5 or 4 ports
1000BASE-X: 0 or 1 ports
• EX32908/EX32917:
10/100/1000BASE-T: 8 or 7 ports
1000BASE-X: 0 or 1 ports

LED Indicators

• EX32905/EX32914:
Per Unit: Power (Green)
Per Port: 10/100M(Green), 1000M (Yellow)
• EX32908/EX32917:
Per Unit: Power 1 (Green), Power 2 (Green), Alarm (Red)
Per Port: 10/100M(Green), 1000M (Yellow)

Alarm Contact (EX32908/EX32917 only)

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

DIP Switches (EX32908/EX32917 only)

• Enable/Disable Port fault alarm

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 an ISO 9001 facility

Safety

UL 60950 (EX32905/EX32914 Series only)

EMI

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

EMS

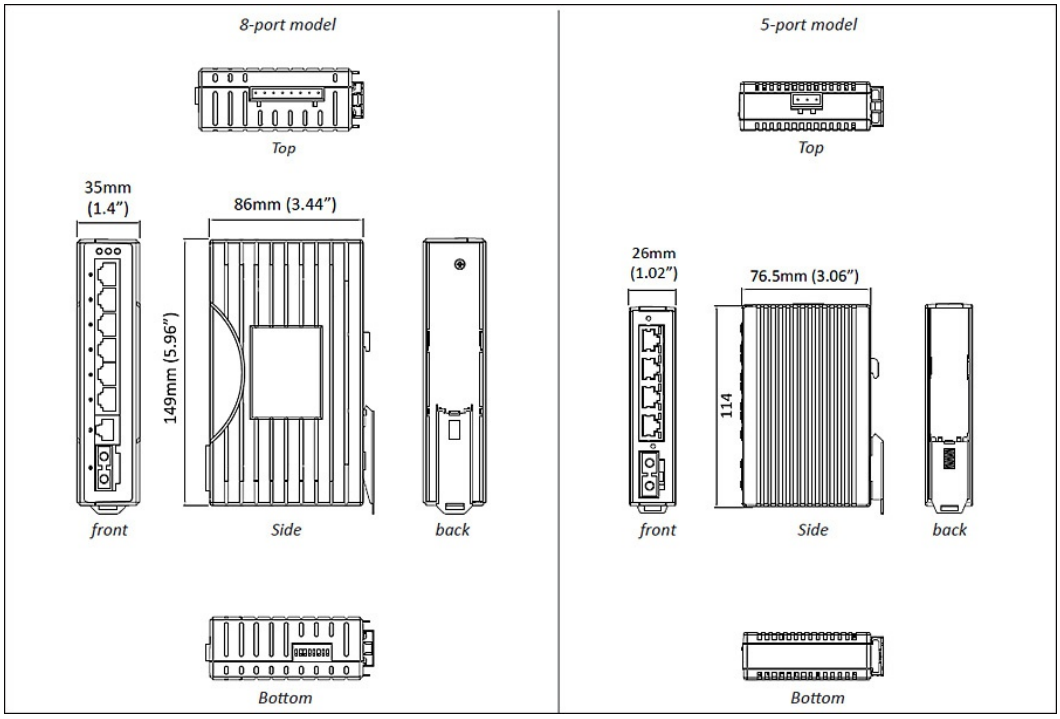
EN 61000-6-2

• EN 61000-4-2 (ESD Standards)
• EN 61000-4-3 (Radiated RFI 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

EX32905	5-port 10/100/1000BASE-T Gigabit Industrial Unmanaged Ethernet Switch
EX32914-X	4-port 10/100/1000BASE-T +1-port 1000BASE-X Gigabit Industrial Unmanaged Ethernet Switch
EX32908	8-port 10/100/1000BASE-T Gigabit Industrial Unmanaged Ethernet Switch
EX32917-X	7-port 10/100/1000BASE-T +1-port 1000BASE-X Gigabit Industrial Unmanaged Ethernet Switch

* DIN-Rail mounting kit included.

Optical Port Options (X)

3	1000BASE-SX (SC) - 550m
5	1000BASE-SX (ST) - 550m
A	1000BASE-LX (SC) - 10km
R	1000BASE-BX (SC) WDM-TX: 1310nm/RX: 1550nm-20Km
S	1000BASE-BX (SC) WDM-TX: 1550nm/RX: 1310nm-20Km

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
EX41-145046-X	Power Supply 45W 12VDC with Open Wire (X) = 1: US, 2: EU, 3: UK, 4: AU, 5: JP, 6: SA

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