

## 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.

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## Power

### Input Voltage

- 12 to 48VDC

### Power Consumption

- 6.5W Max. 0.25A@24VDC

### Protection

- Reverse polarity protection
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## 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)
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## 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

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## 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)

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## 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**

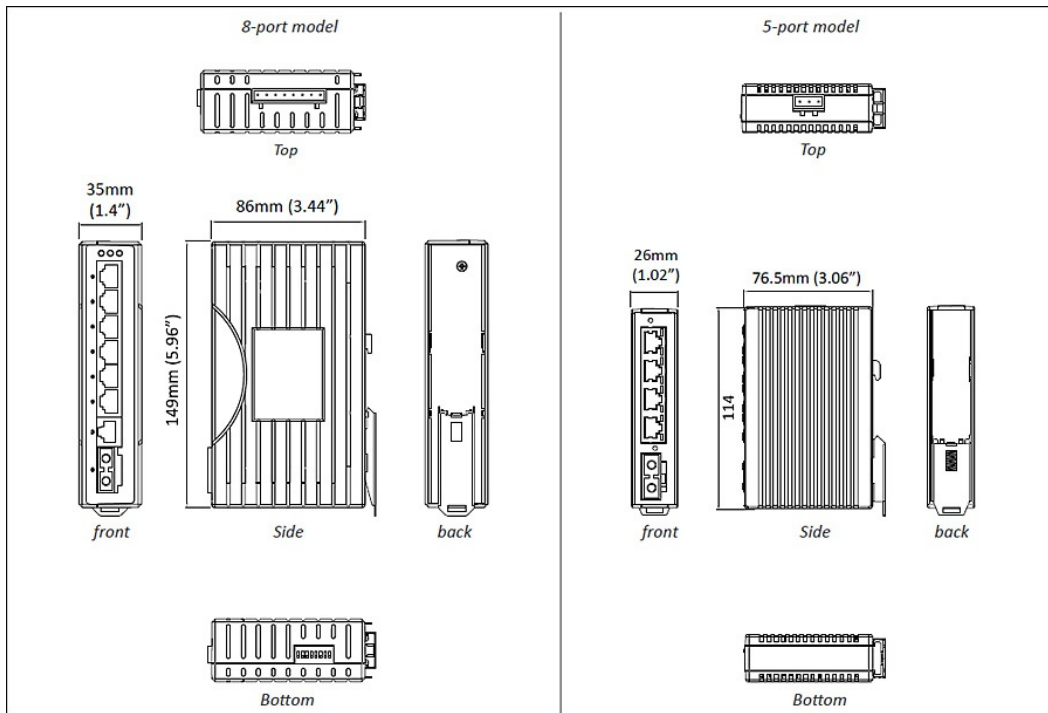
IEC 60068-2-6 Fc (Vibration)

IEC 60068-2-27 Ea (Shock)

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

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# Dimensions



## Ordering Info

### Model

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

\* DIN-Rail mounting kit included.

### Optical Port Options (X)

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

### Optional Accessories

<b>HDR-30-24</b>	30W/1.5A DIN-Rail 24VDC Industrial Power Supply
<b>HDR-60-24</b>	60W/2.5A DIN-Rail 24VDC Industrial Power Supply
<b>EDR-75-24</b>	75W/3.2A DIN-Rail 24VDC Industrial Power Supply
<b>EX41-145046-X</b>	Power Supply 45W 12VDC with Open Wire (X) = 1: US, 2: EU, 3: UK, 4: AU, 5: JP, 6: SA

