

# EX16900 Series

Unmanaged 5/8-port 10/100/1000BASE Ethernet Switch



## Overview

EtherWAN's EX16900 Series is a compact Unmanaged Gigabit switching platform, designed for easy deployment in enterprise and small office/branch office environments

The EX16900 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 EX16900 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 EX16900 Series a powerful yet energy efficient network switch.

EtherWAN — "When Connectivity is Crucial."

## Spotlight

### • Jumbo Frame Support

- Up to 9K bytes (EX16905/EX16914 Series)
- Up to 9720 bytes (EX16908/EX16917 Series)

### • Fiber Connectivity

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

### • Compact Size

- Easy to place on the desktop with the dimensions of 160mm (W) x 80.5mm (D) x 28mm (H)

### • High Reliability

- Fanless Design
- No moving parts

# Hardware Specifications

## Technology

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### Standards

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

### Forward and Filtering Rate

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

### Packet Buffer Memory

- EX16905/EX16914: 1M bits
- EX16908/EX16917: 192 KB

### Processing Type

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

### Jumbo Frame

- EX16905/EX16914: 9K
- EX16908/EX16917: 9720 bytes

### Address Table Size

- EX16905/EX16914: 2048 MAC addresses
- EX16908/EX16917: 4K MAC addresses

## Power

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### Input Voltage

- 5VDC

### Power Consumption

- EX16905/EX16914: 3.5W Max.
- EX16908/EX16917: 4W Max.

## Mechanical

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### Casing

- Metal Case

### Dimensions

- 160mm (W) x 80.5mm (D) x 28mm (H)  
(6.3" (W) x 3.17" (D) x 1.1" (H))

### Weight

- 0.42Kg (0.92lb.)

### Installation

- Wall or desktop mounting

## Interface

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### Ethernet Port

- EX16905/EX16914:  
10/100/1000BASE-T: 5 or 4 ports  
1000BASE-SX/LX/SFP: 0 or 1 port
- EX16908/EX16917:  
10/100/1000BASE-T: 8 or 7 ports  
1000BASE-SX/LX/SFP: 0 or 1 port

### LED Indicators

- Per Unit: Power (Green)
- Per Port: 10/100M (Green);  
1000Mbps (Amber)

## Environment

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### Operating Temperature

- 0°C to 45°C (32°F to 113°F)

### Storage Temperature

- -10°C to 70°C (14°F to 158°F)

### Ambient Relative Humidity

- 10% to 95% (non-condensing)

## Regulatory Approvals

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### ISO

- Manufactured in an ISO9001 facility

### Safety

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### UL 60950

### EMS

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### EN 55024

### Emission Compliance

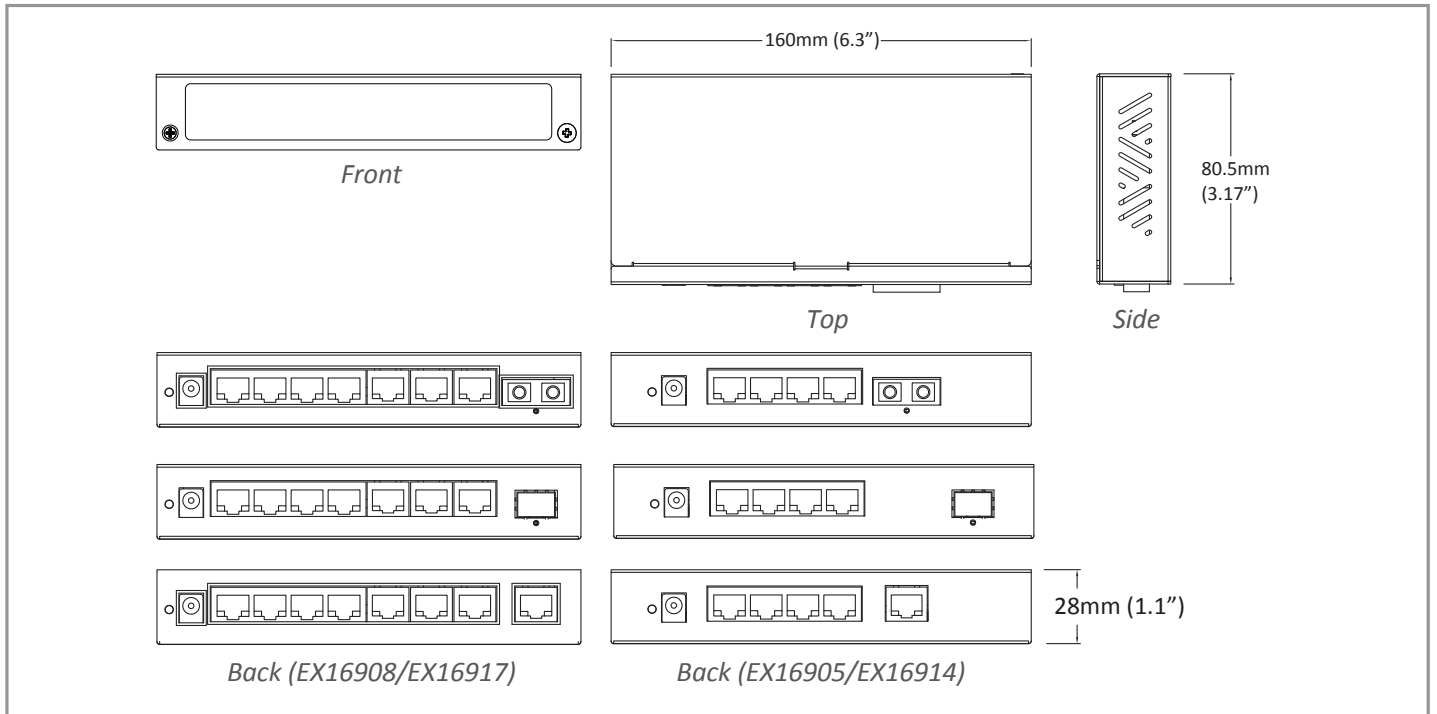
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### CE Mark Class A

### FCC Part 15B ClassA,

### VCCI Class A

# Dimensions



## Ordering Information

### Model

<b>EX16905</b>	Unmanaged 5-port 10/100/1000BASE-TX Gigabit Ethernet Switch
<b>EX16914-X</b>	Unmanaged 4-port 10/100/1000BASE-TX + 1-port 1000BASE-X Gigabit Ethernet Switch
<b>EX16908</b>	Unmanaged 8-port 10/100/1000BASE-TX Gigabit Ethernet Switch
<b>EX16917-X</b>	Unmanaged 7-port 10/100/1000BASE-TX + 1-port 1000BASE-X Gigabit Ethernet Switch

### 1000FX Fiber Options(X)

<b>3</b>	1000BASE-SX(SC)-550m
<b>5</b>	1000BASE-SX(ST)-550m
<b>V</b>	1000BASE SFP