

# EX16900 Series

Unmanaged 5 to 8-port 10/100/1000BASE-T and 1-port 1000BASE-X Gigabit 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."

## Highlights

### + 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

## Specifications

### + Technology

#### 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

### + Regulatory Approvals

#### ISO

Manufactured in an ISO9001 facility

#### Emission Compliance

CE Mark Class A  
FCC Part 15B ClassA,  
VCCI Class A

#### Safety

UL 60950

#### EMS

EN 55024

### + Mechanical

#### 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

#### 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)

### + Power

#### Input Voltage

5VDC

#### Power Consumption

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

### + Environment

#### Operating Temperature

0°C to 45°C (32°F to 113°F)

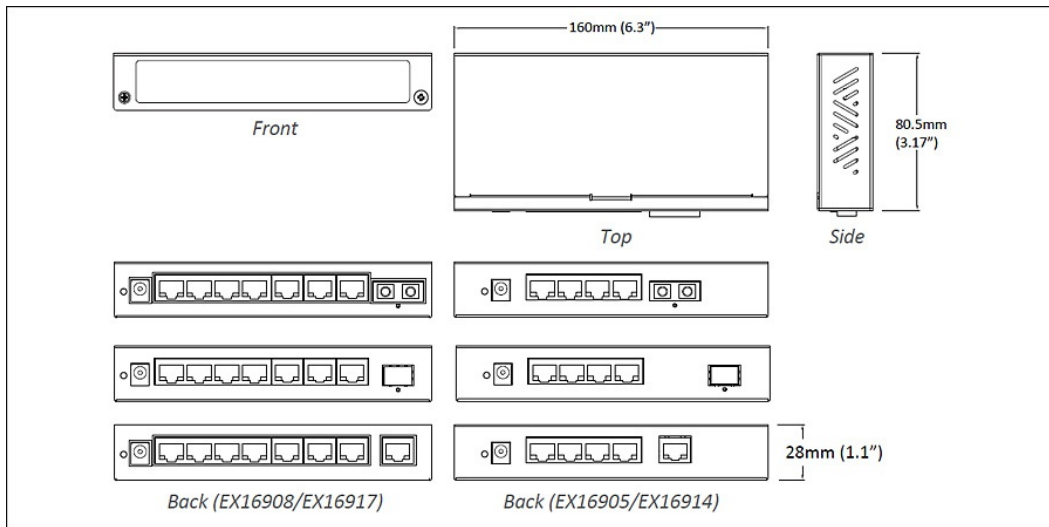
#### Storage Temperature

-10°C to 70°C (14°F to 158°F)

#### Ambient Relative Humidity

10% to 95% (non-condensing)

## Dimensions



## Ordering Info

### + 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

