

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)

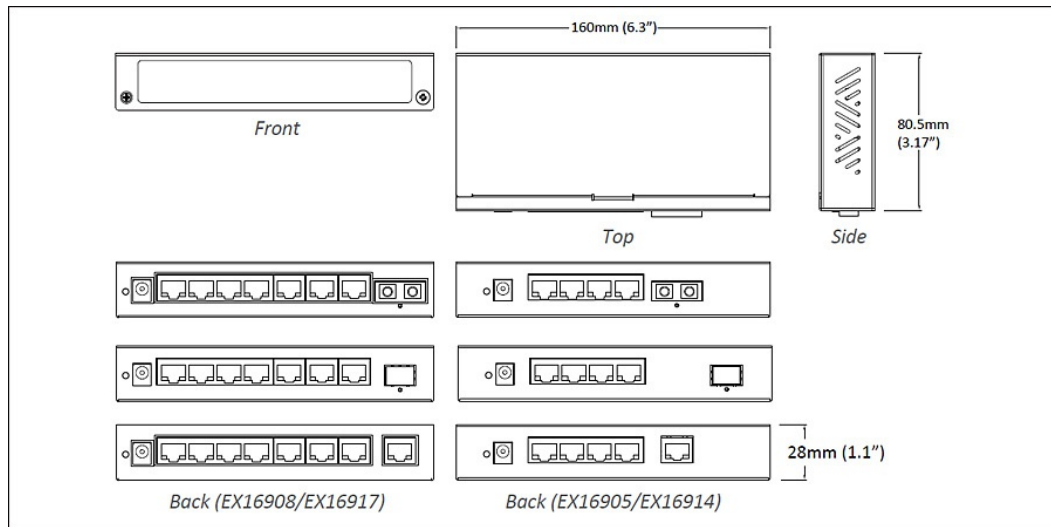
Storage Temperature

-10°C to 70°C (14°F to 158°F)

Ambient Relative Humidity

10% to 95% (non-condensing)

Dimensions



Ordering Info

+ Model

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

+ 1000FX Fiber Options(X)

| | |
|----------|----------------------|
| 3 | 1000BASE-SX(SC)-550m |
| 5 | 1000BASE-SX(ST)-550m |
| V | 1000BASE SFP |

