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.**"

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

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

Power

Input Voltage

- 5VDC

Power Consumption

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

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)

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)

Regulatory Approvals

ISO

• Manufactured in an ISO9001 facility

Emission Compliance

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

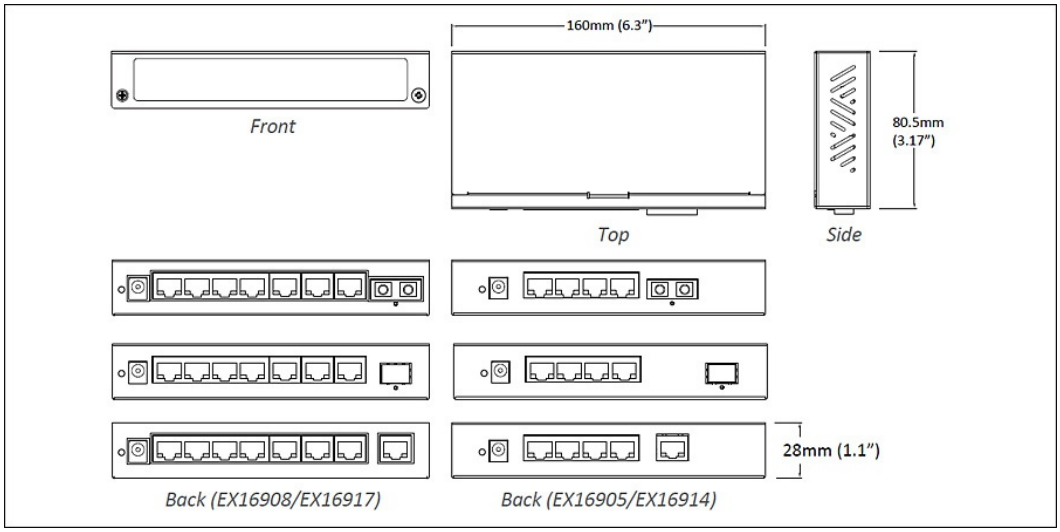
Safety

UL 60950

EMS

EN 55024

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

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