EX17242 Series

Web-smart 24-port 10/100BASE-TX PoE (IEEE802.3at) and 2-port combo Gigabit SFP Ethernet Switch



Overview

EtherWAN's EX17242 provides a 26-port switching platform supporting IEEE802.3at Power over Ethernet, high performance switching with features required for small-business or enterprise environments.

The EX17242 is equipped with 24 10/100BASE-TX PoE ports, in combination with two Gigabit SFP options. The EX17242 is feature rich with full wire speed throughput, QoS support, making the EX17242 Series a powerful network switch.

The IEEE802.3at PoE ports provide up to 30W/port with a PoE power budget of 369.6W, making the switch truly versatile for connecting with PoE Powered Devices (PD) with different bandwidth and power consumption requirements.

Users are able to access management features such as IP configuration, QoS, VLANs, trunking and via web browser interfaces.

EtherWAN — "When Connectivity is Crucial."

Spotlight

Power over Ethernet

» Supports 24-port IEEE802.3at Power over Ethernet (PoE) and Power Sourcing Equipment (PSE)

SFP Connectivity

» Built-in 2-port combo Gigabit SFP for either Gigabit copper or SFP connectivity

Web-Managed Interface

» Comprehensive IP configuration, QoS, VLANs and trunking

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 and flow control
- IEEE802.1p QoS
- IEEE802.3af/at Power over Ethernet (PoE)

Forward and Filtering Rate

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

Packet Buffer Memory

- 2.75M bits

Processing Type

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

Address Table Size

- 4096 MAC addresses

Power

Input

- 100 to 240VAC, 50/60Hz

Power Consumption

- Device: 30W (without PoE)
- PoE Power Budget: 369.6W

PoE Technology

- Alternative B, Pins 7/8(+), 4/5(-)

PoE Power Output

• IEEE802.3at: up to 30W/port, 50 - 57VDC, 600mA Max.

Mechanical

Casing

• Metal Case

Dimensions

• 440 x 330 x 44mm (W x D x H)
(17.32" x 13.2" x 1.73")
• Standard 19”rack-mount size, one-unit-height

Weight

• 4Kg (8.81lbs.)

Installation

• Rack mounting

Interface

Ethernet Port

• 10/100BASE-TX: 24 PoE ports
• Gigabit: 2 ports

LED Indicators

• Per Unit: Power Status
• Per Port 10/100TX: Link/Activity,
• Per Port PoE: Act/status
• Per Port Gigabit: Link/Activity

Environment

Operating Temperature

• 0 to 45°C (32 to 113°F)

Storage Temperature

• -10 to 70°C (14 to 158°F)

Ambient Relative Humidity

• 10% to 95% (non-condensing)

Regulatory Approvals

ISO

• Manufactured in an ISO 9001 facility

Safety

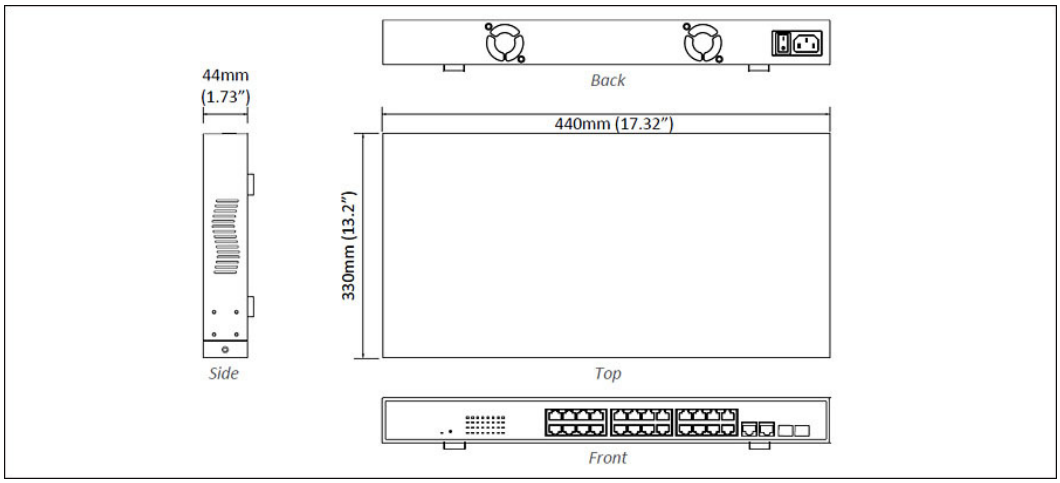
UL 60950-1

EMI

CE Mark Class B

FCC Part 15 Class B

Dimensions



Ordering Info

Model

EX17242	24-port 10/100BASE-TX PoE (IEEE802.3at) and 2-port combo Gigabit SFP Web-smart Ethernet Switch

NOTES:

*Rack mounting kit included

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