

# 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

# Hardware Specifications

## Technology

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### 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

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### 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

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### 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

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### 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

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### 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

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### ISO

- Manufactured in an ISO 9001 facility

### Safety

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### UL 60950-1

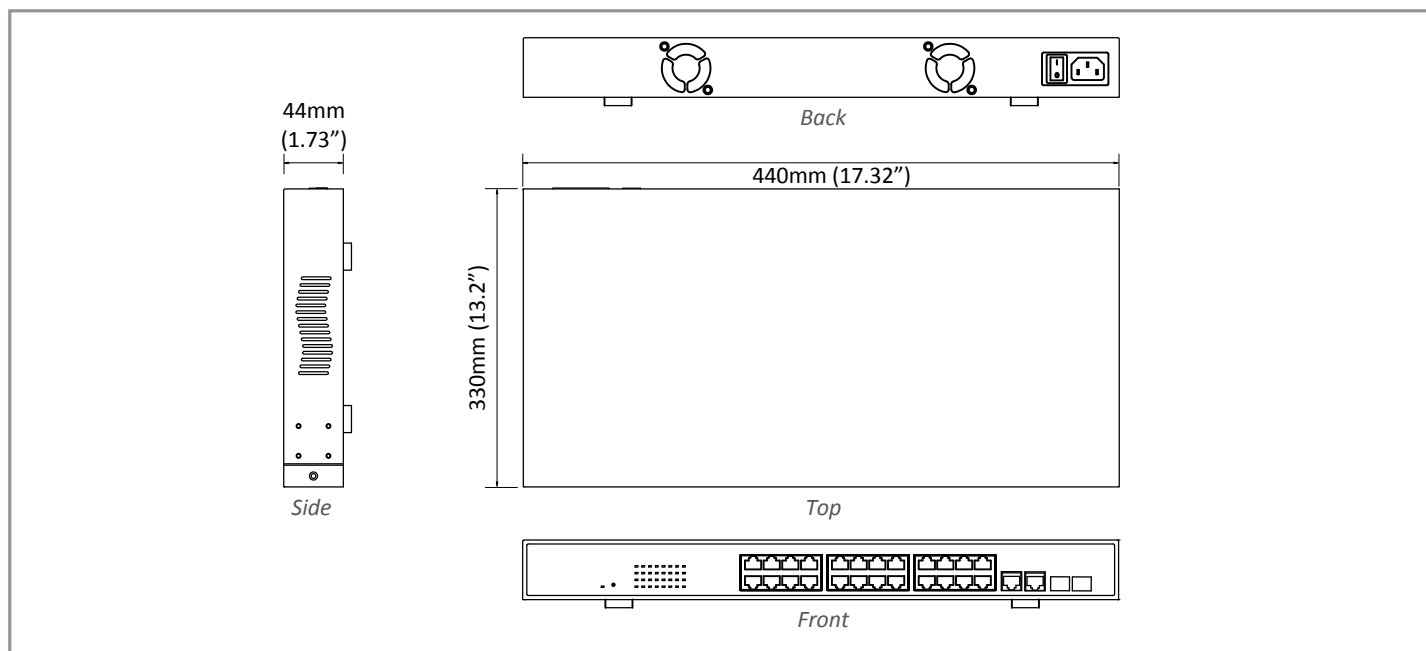
### EMI

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### CE Mark Class B

### FCC Part 15 Class B

## Dimensions



## Ordering Information

### 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