

# EX19164

Smart Managed 16-Port Gigabit PoE Ethernet Switch



## Highlights

### + Smart Management Features

- Easy to use web GUI
- VLAN configuration
- Comprehensive IP configuration and QoS

### + Power over Ethernet

- Total PoE power budget of 250W to deliver sufficient power to all connected PoE devices
- Overloading protection
- Power and data over a single cable with gigabit speed capable of handling cameras with 4K resolution and higher and other high bandwidth devices

## Overview

EtherWAN's EX19164 is a 16-port Gigabit Power over Ethernet switch with high performance and features suited for small-business and commercial environments. The EX19164 is equipped with 16 10/100/1000BASE(T X) PoE+ ports with 4 being combo ports with 100/1000BASE SFP for fiber. With features such as an easy-to-use management GUI, QoS, VLANs and full wire speed throughput, port speeds up to gigabit for 4K cameras and higher, and a power budget of 250W, the EX19164 is the perfect solution for security networks.

EtherWAN — "When Connectivity is Crucial."

## Software Features

### + Interface

Web GUI

### + Management

Firmware upgrade  
 Configuration backup and restore  
 DHCP Client  
 SNMP Trap  
 Port Mirroring  
 LLDP (Link Layer Discovery Protocol)

### + Security

MAC address filtering  
 Enable/Disable PoE per port  
 Storm control  
 TCP/UDP filter  
 Initial login complex password setup requirement

### + Quality of Service (QoS)

Priority Queues: 8 queues per port  
 Traffic classification based on IEEE 802.1p CoS (Cost of Service), DSCP (Differentiated Services Code Point), WRR(Weighted Round Robin)

### + Layer 2 Features

Auto-negotiation for port speed and duplex mode	Flow Control IEEE 802.3x full duplex mode Back-pressure half duplex mode
VLANs	16 Groups, 4096 VID Tag-based Port-based
Link Aggregation	Static Trunk (2 groups)
IGMP Snooping	IGMP Snooping v1/v2

### + Software Properties and Performance

Switching Fabric	20Gbps
Forwarding Rate	14.88Mpps
Jumbo Frame Size	9.6KB
MAC Table Size	8K
Packet Buffer Memory	4Mb

## Hardware Specifications

### + Interface

<b>Ethernet</b>	10/100/1000BASE-T(X): 16 ports 100/1000BASE SFP: 4 ports (combo with ports 13-16)
<b>LED Indicators</b>	Per Unit: Power Per Port PoE: Status Per Port Link: Link/Activity
<b>Reset Button</b>	Restore factory default settings

### + Technology

<b>Standards</b>	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3ab 1000BASE-T IEEE 802.3z 1000BASE-SX/1000BASE-LX IEEE 802.3x Full duplex and flow control IEEE 802.1p QoS IEEE 802.1Q Tag VLANs IEEE 802.3af Power over Ethernet (PoE) IEEE 802.3at Power over Ethernet (PoE+) IEEE 802.1AB LLDP (Link Layer Discovery Protocol) IEEE 802.3az EEE (Energy Efficient Ethernet)
<b>Forward and Filtering Rate</b>	14,880pps for 10Mbps 148,880pps for 100Mbps 1,488,000pps for 1000Mbps
<b>Processing Type</b>	Store-and-Forward Auto-Negotiation Half-duplex back-pressure full-duplex flow control Auto MDI/MDIX

### + Power

<b>Input</b>	100-240VAC, 50/60Hz
<b>Power Consumption</b>	Device: 23W (without PoE) PoE Power Budget: 250W

### + Physical

<b>Casing Material</b>	Metal
<b>Dimensions</b>	266 x 161 x 44mm (W x D x H) 10.5" x 6.34" x 1.73"
<b>Weight</b>	4lbs (1.8kg)
<b>Installation Type</b>	Rack mounting, Desktop

### + Environmental

<b>Operating Temp.</b>	0 to 50°C (32 to 122°F)
<b>Storage Temp.</b>	-10 to 70°C (14 to 158°F)
<b>Relative Humidity</b>	10% to 90% (non-condensing)

### + Regulatory

<b>ISO</b>	Manufactured in ISO-9001 facility
<b>EMI</b>	FCC Part 15 Class B

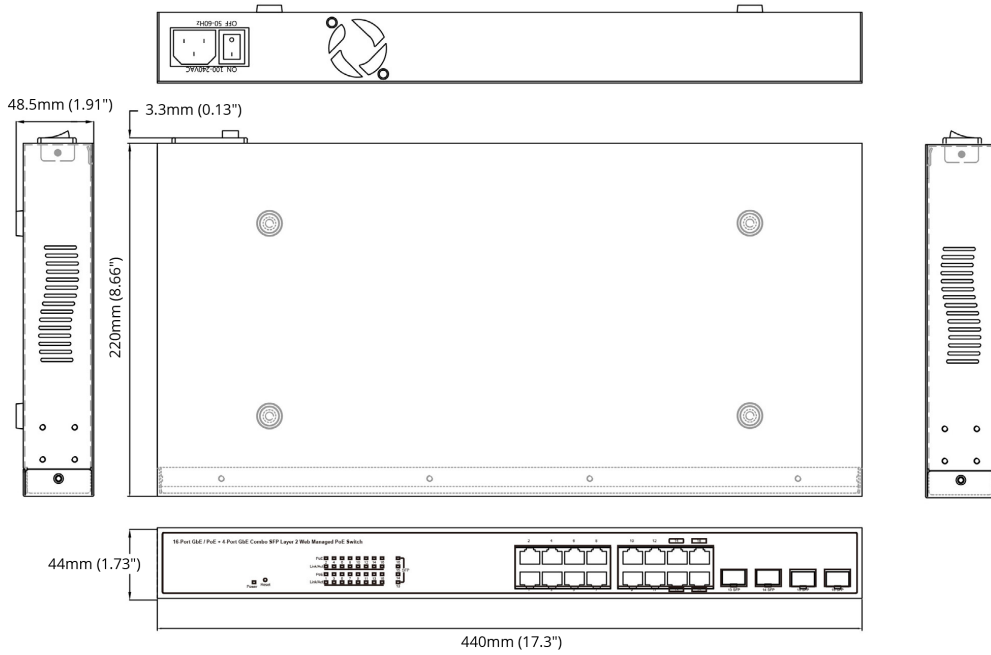
### + Warranty

<b>Length</b>	3 Years
<b>Details</b>	<a href="http://www.etherwan.com/support/warrantypolicy">www.etherwan.com/support/warrantypolicy</a>

### + What's Included

<b>Device</b>	Ethernet Switch
<b>Power</b>	AC power cord
<b>Installation</b>	Mounting brackets, screws
<b>Documentation</b>	Quick Install Guide

## Dimensions



## Ordering Info

### + Model

**EX19164** 16-port 10/100/1000BASE-T(X) PoE (4-port 100/1000 SFP combo)

\* Rack mounting kit included.

