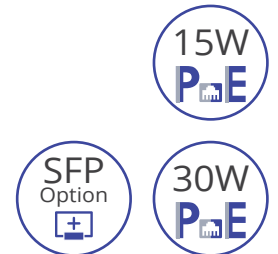


# EX19164

Smart Managed 16-Port Gigabit PoE Ethernet Switch



## Product 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.

## Ordering Information

### Model

<b>EX19164</b>	16-port 10/100/1000BASE-T(X) PoE (4-port 100/1000 SFP combo)
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\* Rack mounting kit included.

# Software Features

<b>Interface</b>		+
Web GUI		
<b>Management</b>		+
Firmware upgrade		
Configuration backup and restore		
DHCP Client		
SNMP Trap		
Port Mirroring		
LLDP (Link Layer Discovery Protocol)		
<b>Security</b>		+
MAC address filtering		
Enable/Disable PoE per port		
Storm control		
TCP/UDP filter		
Initial login complex password setup requirement		
<b>Quality of Service (QoS)</b>		+
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)		
<b>Layer 2 Features</b>		+
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	
<b>Software Properties and Performance</b>		+
Switching Fabric	32Gbps	
Forwarding Rate	23.81Mpps	
Jumbo Frame Size	9.6KB	
MAC Table Size	8K	
Packet Buffer Memory	4Mb	

# Hardware Specifications

Interface		+
Ethernet	10/100/1000BASE-T(X): 16 ports 100/1000BASE SFP: 4 ports (combo with ports 13-16)	
LED Indicators	Per Unit: Power Per Port PoE: Status Per Port Link: Link/Activity	
Reset Button	Restore factory default settings	
Technology		+
Standards	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)	
Forward and Filtering Rate	14,880pps for 10Mbps 148,880pps for 100Mbps 1,488,000pps for 1000Mbps	
Processing Type	Store-and-Forward Auto-Negotiation Half-duplex back-pressure full-duplex flow control Auto MDI/MDIX	
Power		+
Input	100-240VAC, 50/60Hz	
Power Consumption	Device: 23W (without PoE) PoE Power Budget: 250W	
Physical		+
Casing Material	Metal	
Dimensions	440 x 220 x 44mm (W x D x H) 17.3" x 8.66" x 1.73"	
Weight	6.6lbs (3kg)	
Installation Type	Rack mounting	
Environmental		+
Operating Temp.	0 to 50°C (32 to 122°F)	
Storage Temp.	-20 to 80°C (-4 to 176°F)	
Relative Humidity	10% to 90% (non-condensing)	
Regulatory		+
ISO	Manufactured in ISO-9001 facility	
EMI	FCC Part 15 Class A	
Safety	UL 60950-1	

Warranty		+
Length	3 Years	
Details	<a href="http://www.etherwan.com/support/warranty-policy">www.etherwan.com/support/warranty-policy</a>	
What's Included		+
Device	Ethernet Switch	
Power	AC power cord	
Installation	Mounting brackets, screws	
Documentation	Quick Install Guide	

# Dimensions

