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 10/100/1000BASET(X) PoE+ ports with 4 being combo ports with 100/1000BASE SFP for fiber. With features such as an easy-touse 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

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	266 x 161 x 44mm (W x D x H) 10.5" x 6.34" x 1.73"
Weight	4lbs (1.8kg)
Installation Type	Rack mounting, Desktop

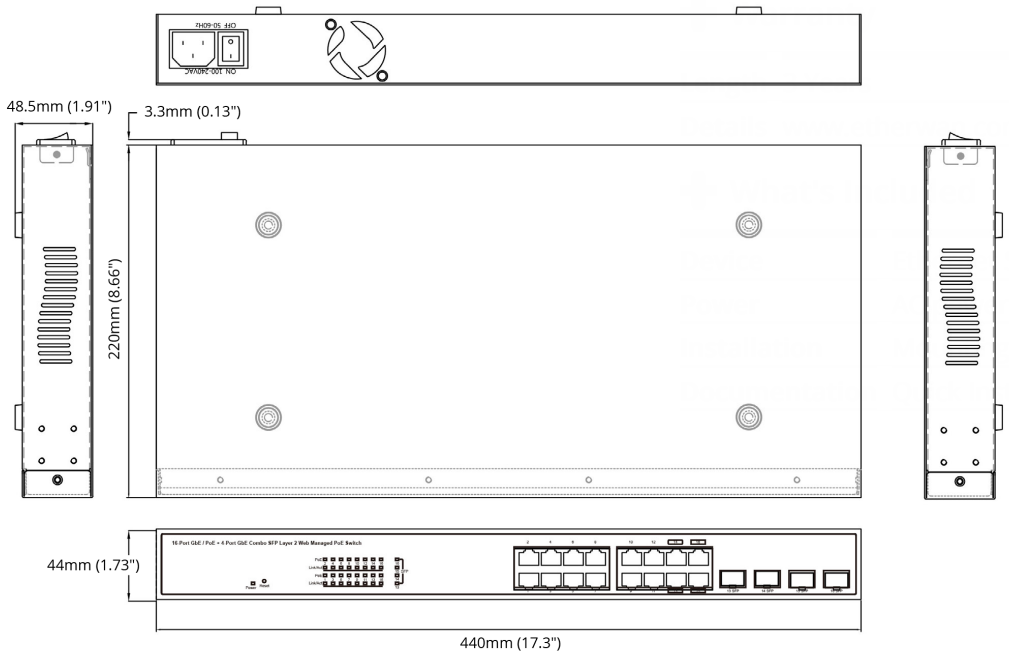
Environmental

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

Regulatory

ISO	Manufactured in ISO-9001 facility
EMI	FCC Part 15 Class B

Dimensions



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Ordering Info

Model

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

** Rack mounting kit included.*

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