EX19082

Smart Managed 10-Port Gigabit PoE Ethernet Switch



Overview

EtherWAN's EX19082 is a 10-port Gigabit Power over Ethernet switch with high performance and features suited for small-business and commercial environments. The EX19082 is equipped with 8 10/100/1000BASE-T(X) PoE+ ports and 2 Gigabit uplink ports (1 TX + 1 SFP). 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 240W, the EX19082 is the perfect solution for security networks.

EtherWAN — "**When Connectivity is Crucial.**"

Highlights

Smart Management Features

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

Power over Ethernet

Total PoE power budget of 240W 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

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): 8 PoE+ ports + 1 TX port

100/1000BASE SFP: 1 port

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: 240W

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

Safety

UL 60950-1

Warranty

Length

3 Years

Details

www.etherwan.com/support/warrantypolicy

What's Included

Device

Ethernet Switch

Power

AC power cord

Installation

Mounting brackets, screws

Documentation

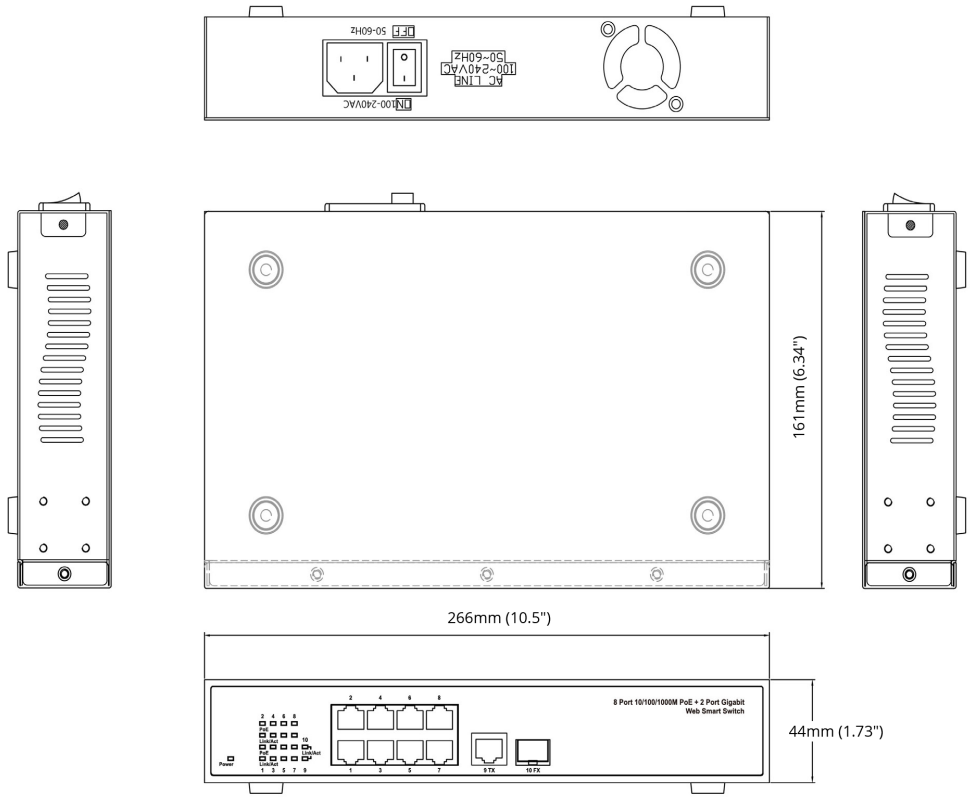
Quick Install Guide

MPN

EX19082

1683916

Dimensions



Ordering Info

Model

EX19082	8-port 10/100/1000BASE-T(X) PoE + 1-port 10/100/1000BASE-T(X) + 1-port 100/1000BASE SFP

Acessories

SFP Modules

SFP Modules	www.etherwan.com/products/sfp-fiber-transceiver

Power Supplies

EPOW-54-240	Power Supply, Hardened (-40°C - +75°C) External 100-277 VAC Input; NEMA-TS2 rated; 240W, 54VDC, 0-11.1A with Open Wire (US Plug) - No Deration at High Temps
EPOW-54-400	Hardened Power Supply, 100-277 VAC Input; NEMA-TS2 Rated; 54VDC, 400W/7.4A, with Open Wire (US Plug) - No Deration at High Temps
EPOW-54-600	Power Supply, Hardened (-40°C - +75°C) External 100-277 VAC Input; NEMA-TS2 rated; 600W, 54VDC, 0-11.1A with Open Wire (US Plug) - No Deration at High Temps
EPHX-48-240	240W/5A DIN-Rail 48VDC (42-56VDC Adjustable) Industrial Power Supply - No Deration at High Temps
EPHX-48-480	480W/10A DIN-Rail 48VDC (36-55VDC Adjustable) Industrial Power Supply - No Deration at High Temps

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