

# 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/warranty policy](http://www.etherwan.com/support/warranty policy)

## + What's Included

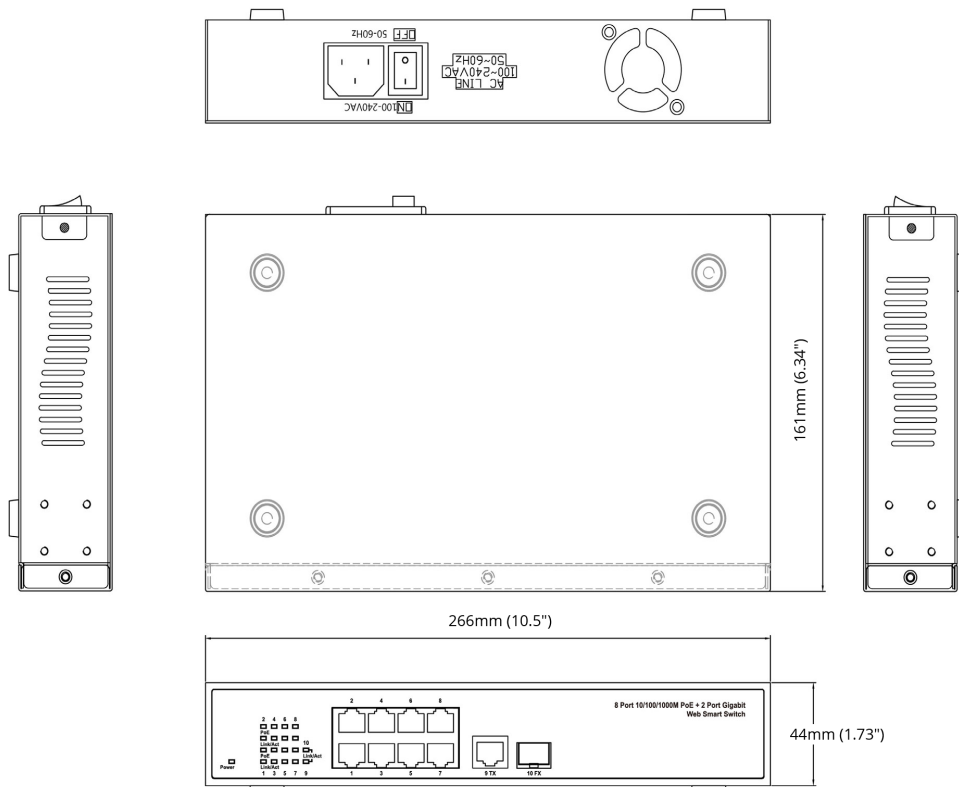
**Device**  
Ethernet Switch

**Power**  
AC power cord

**Installation**  
Mounting brackets, screws

**Documentation**  
Quick Install Guide

## 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
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