

# EX46910

Hardened Unmanaged 8-Port Gigabit PoE and 2-Port Gigabit RJ45/SFP Combo Ethernet Switch

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## Highlights

### + High-Power PoE (Power over Ethernet)

- Up to 30W output for various security applications such as PTZ cameras
- Total PoE power budget of 240W available
- Backward compatible with 802.3af devices

### + Hardened-Grade for Non-Ventilated & Harsh Environments

- Wide operating temperature range -40 to 75°C (-40 to 167°F)
- Fanless operation
- High impact, thermal shock, and electrical noise resistance

### + Support

- Complimentary Technical Support
- In-person training and free online training courses available
- Limited Lifetime Warranty

## Overview

EtherWAN's EX46910 is a compact hardened unmanaged DIN-rail mounted PoE switch. 8 gigabit PoE ports provide up to 30W output per port with a PoE power budget of 240W, ensuring that the maximum possible power is delivered to every device at all times. 2 combo uplink ports provide flexibility for data transmission and cascading. The EX46910 provides the power required to support various security and other network applications, along with flexibility, speed, and reliability to support networks where connectivity is crucial.

EtherWAN — "When Connectivity is Crucial."

## Specifications

### + Interface

Ethernet

8 x 10/100/1000BASE-T(X)

2 x 1000BASE SFP/RJ45 Combo

Alarm Contact

1 x Relay Output

Current Capacity

1A@24VDC

LED Indicators

Per Unit: Power 1, Power 2, Power 3, Relay

Per Port: Link/Activity

### + Technology

Standards

IEEE 802.3 10BASE-T

IEEE 802.3u 100BASE-TX/100BASE-FX

IEEE 802.3ab 1000BASE-T

IEEE 802.3z 1000BASE-X

IEEE 802.3x full duplex and flow control

IEEE 802.3af PoE

IEEE 802.3at PoE+

Forward/Filtering Rate

14,800pps for 10Mbps

148,810pps for 100Mbps

1,488,100pps for 1000Mbps

Processing Type

Store-and-forward

Auto-negotiation

Half-duplex back-pressure and full-duplex flow control

Auto MDI/MDIX

### + Switch Properties and Performance

Switching Fabric

20Gbps

Jumbo Frame Size

10KB

MAC Table Size

11K

Packet Buffer Memory

2Mb

### + Power

**Input**

48-56VDC redundant (terminal block) + 48-56VDC power DIN connector; 12-56VDC range for switch-only operation (no PoE)

**Power Consumption**

5.76W max@48VDC, without PoE

**PoE Power Output**

Per Port: Up to 30W/port

Power Budget: 240W

**Protection**

Reverse Polarity Protection

Current Overload Protection

**+ Physical****Casing Material**

Aluminum

**IP Rating**

IP30

**Dimensions**

1.89" x 4.72" x 6.1" (W x D x H)

48 x 120 x 155mm

**Weight**

1lbs (0.45kg)

**Installation Type**

DIN-rail or wall/panel mounting

**+ Environmental****Operating Temp.**

-40 to 167°F (-40 to 75°C)

**Storage Temp.**

-40 to 185°F (-40 to 85°C)

**Relative Humidity**

5% to 95% (non-condensing)

**MTBF**

>500,000 hours@50°C

**+ Regulatory****ISO**

Manufactured in ISO-9001 facility

**EMI**

FCC Part 15B Class A

EN 55032

EN 55024

**EMS**

EN 61000-4-2 (ESD)

EN 61000-4-4 (Burst)

EN 61000-4-5 (Surge)

**Safety**

UL 60950-1

**Vibration**

IEC 60068-2-6

**Shock**

IEC 60068-2-27

**Free Fall**

EN 60068-2-32

**+ Warranty****Length**

Limited Lifetime

**Details**

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

## + What's Included

**Device**  
Switch

**Installation**  
Mounting brackets, screws, 6-pin terminal block

**Documentation**  
Quick install guide

## Dimensions

EX46910 Dimensions known

## Ordering Info

### + Model

**EX46910** 8-port 10/100/1000BASE-T PoE + 2-port Combo Gigabit TX/SFP Ethernet Switch

### + Accessories

**Hardened 100BASE SFP Modules** [www.etherwan.com/products/sfp-fiber-transceiver](http://www.etherwan.com/products/sfp-fiber-transceiver)

**Hardened Gigabit SFP Modules** [www.etherwan.com/products/sfp-fiber-transceiver](http://www.etherwan.com/products/sfp-fiber-transceiver)

**Power Supplies**

