

# EX46910

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



## Product Highlights

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

- Up to 30W output per port for various security, LED lighting, and other applications
- Total PoE power budget of 240W
- Backward compatible with 802.3af devices

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

- Wide operating temperature range from -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.

## Ordering Information

### Model

**EX46910**

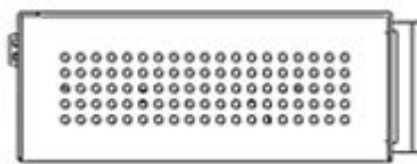
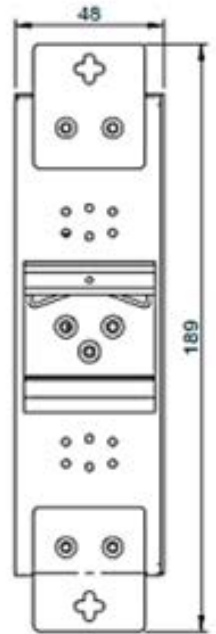
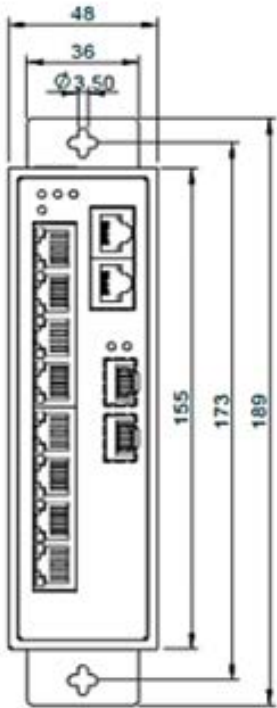
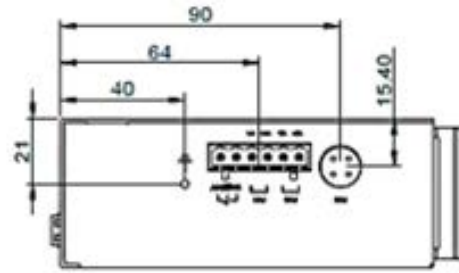
8-port 10/100/1000BASE-T PoE + 2-port Combo Gigabit TX/SFP Ethernet Switch

# Hardware 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	1.0lbs (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 @ 25°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	EN 60068-2-6	
Shock	EN 60068-2-27	
Free Fall	EN 60068-2-32	
Warranty		+
Length	Limited Lifetime	
Details	<a href="http://www.etherwan.com/support/warranty-policy">www.etherwan.com/support/warranty-policy</a>	
What's Included		+
Device	Switch	
Installation	Mounting brackets, screws, 6-pin terminal block	
Documentation	Quick install guide	

# Dimensions



## Accessories

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

**Power Supplies** +  
[www.etherwan.com/us/products/power-supplies](http://www.etherwan.com/us/products/power-supplies)