EX46910

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

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.**"

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

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

✚ 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

✚ Switch Properties and Performance

Switching Fabric
- 20Gbps

Jumbo Frame Size
- 10KB

MAC Table Size
- 11K

➕ 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

➕ 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

➕ Warranty

Length

- Limited Lifetime

Details

- www.etherwan.com/support/warranty-policy
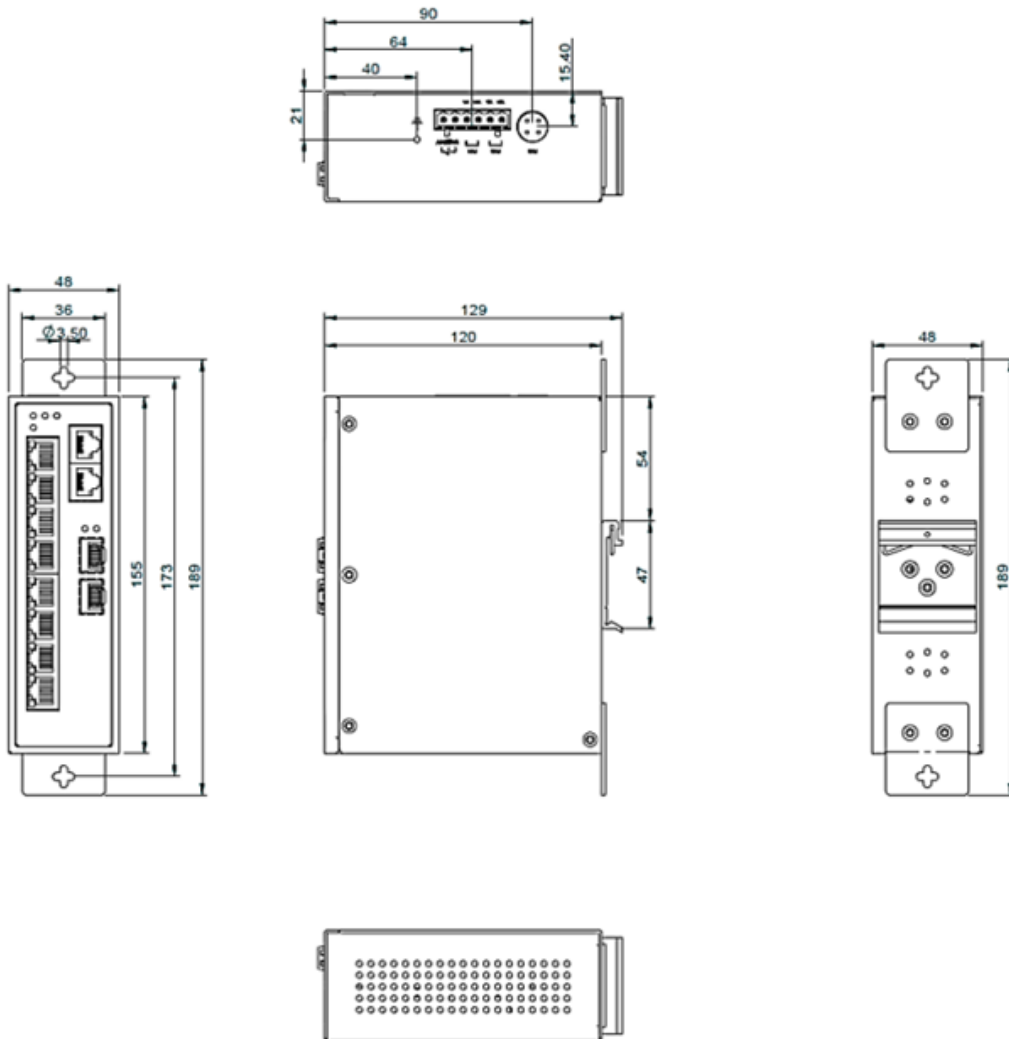
➕ What's Included

Device

- Switch

Installation

- Mounting brackets, screws, 6-pin terminal block

Documentation

- Quick install guide

Dimensions

Ordering Info

✚ Model

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

✚ Accessories

Hardened Gigabit SFP Modules	www.etherwan.com/products/sfp-fiber-transceiver
Power Supplies	www.etherwan.com/products/power-supplies