

EX46910F

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

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Overview

EtherWAN's EX46910F is a compact hardened unmanaged flat form factor PoE switch which can be wall or DIN-rail mounted. 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 SFP uplink ports provide flexibility for data transmission and cascading. The EX46910F provides the power required to support various security and other network applications, along with flexibility, speed, and reliability to support networks.

EtherWAN — "When Connectivity is Crucial."

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 -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 100/1000BASE SFP

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

+ Power

Input

- 48-56VDC Redundant (Terminal block)+ 48-56VDC Power DIN Connector

Power Consumption

- 4.8W 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

- 5.7" x 0.91" x 7.8" (W x D x H)
145 x 23.2 x 198mm

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.

- -49 to 185°F (-40 to 85°C)

Relative Humidity

5% to 95% (non-condensing)

+ 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

+ What's Included

Device

- Switch

Installation

- Mounting brackets, screws, 6-pin terminal block

Documentation

- Quick install guide

Dimensions

EX46910F Dimensions
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Ordering Info

+ Model

EX46910F	8-port 10/100/1000BASE-T PoE + 2-port Gigabit SFP Ethernet Switch
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+ Accessories

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