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

Packet Buffer Memory
2Mb

+ 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

EX46910 Dimensions
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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