

## EX41922-T

Hardened Unmanaged 2-port 10/100/1000BASE PoE+2-port 100/1000 SFP Ethernet Switch





## **Overview**

EtherWAN's EX41922 Series is a compact hardened unmanaged Gigabit switch, designed as an easily deployed platform for peripheral devices in harsh environments. It is a cost-effective option for surveillance systems in extreme climates.

The new EX41922-T is equipped with two 10/100/1000Base RJ-45 copper ports supporting Power over Ethernet (PoE), and two 100/1000Base SFP fiber optic slots for long distance connectivity. The two uplink SFP interfaces provide 100 or 1000SFP speed, selected by DIP switch. They can be used in a daisy chain formation, and are compatible with the proprietary Alpha-chain redundancy protocol when used with a compatible EtherWAN managed switch. Moreover, EX41922-T provides up to 30 Watts PoE per port with a total power budget of 60 Watts. Although unmanaged, the EX41922-T is feature-rich with 10K Jumbo Frame support, full wire speed Gigabit throughput, QoS support, and eco-friendly IEEE802.3az EEE (Energy Efficient Ethernet) compliance. With its hardened specifications, high performance, and energy efficiency, the EX41922-T is a flexible and reliable solution for extended networks.

EtherWAN — "When Connectivity is Crucial."



## Spotlight

### + Hardened Grade

Supports -40 to 75°C (-40 to 167°F) operating temperature Redundant power inputs on terminal block connector Supports DIN-Rail mounting

### + Fiber Connectivity

Up to two 1000BASE SFP ports for daisy chain or Alpha-chain applications Provides 100BASE or 1000BASE SFP by DIP switch

### + Port Failure Alarm

Provide relay alarm to notify users when power fails or link down occurs by DIP switch

### + Full Gigabit bandwidth and Jumbo frame

Gigabit wire-speed transmission for bandwidthdemanding application Jumbo frame up to 10K bytes to increase throughput and transmission efficiency



## **Specifications**

### + Technology

Standards IEEE802.3 10BASE-T IEEE802.3u 100BASE-TX/100BASE-FX IEEE802.3ab 1000BASE-T IEEE802.3z 1000BASE-SX/1000BASE-LX IEEE802.1x, Full duplex flow control IEEE802.1az Energy Efficient Ethernet

Forward and Filtering Rate 14,880pps for 10Mbps 148,810pps for 100Mbps 1,488,100pps for 1000Mbps

Packet Buffer Memory 1MB

Processing Type Store-and-Forward Auto Negotiation Half-duplex back-pressure and IEEE802.3x fullduplex flow control Auto MDI/MDIX

Jumbo Frame 10K bytes

Address Table Size 8K MAC addresses

Broadcast Storm Protection Threshold Limit 15,000 packets per second.

#### + Power

Input Voltage Redundant power inputs; Terminal Block: 52–57VDC for PoE

Power Consumption 63.6W@52VDC, 63.8W@57VDC PoE Power budget: 60W

Power Technology Alternative A Pins 1/2(+), 3/6(-)

#### + Mechanical

Casing Metal case IP30

Dimensions 42 x 90 x 100mm (W x D x H)



(1.65" x 3.54" x 3.93")

Weight 0.37Kg (0.82lb)

Installation DIN-Rail

#### + Interface

Ethernet Ports 10/100/1000BASE-T: 2 ports 100/1000BASE SFP: 2 ports

#### **LED Indicators**

Per Unit: Power1 (Green), Power2 (Green), Alarm (Red) Per Port: Link & Activity (Green) Per PoE Port: PoE (Amber)

#### **DIP Switches**

Enable/Disable Port fault alarm, SFP port on 100BASE.



## Dimensions

EN 61000-6-4

## EMS

- EN 61000-6-2
- EN 61000-4-2 (ESD Standards)
- EN 61000-4-3 (Radiated FRI Standards)
- EN 61000-4-4 (Burst Standards)
- EN 61000-4-5 (Surge Standards)
- EN 61000-4-6 (Induced RFI Standards)
- EN 61000-4-8 (Magnetic Field Standards)

Environmental Test Compliances IEC 60068-2-6 Fc (Vibration) IEC 60068-2-27 Ea (Shock) FED STD 101C Method 5007.1 (Free fall w/ package)

# Application





## **Ordering Info**

### Model

EX41922-T	2-port 10/100/1000Base-T PoE+2-port 100/1000 SFP Hardened Unmanaged Ethernet Switch

\* DIN-Rail mounting kit included



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