EX41922 Series

Hardened Unmanaged 2-port 10/100/1000BASE + 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 EX41922 Series is equipped with two 10/100/1000Base RJ-45 copper ports, 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. Although unmanaged, the EX41922 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 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 bandwidth-demanding 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 full-duplex 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

Voltage
12~48VDC

Power Consumption
3.2W Max. 0.26A@12VDC
0.13A@24VDC
0.06A@48VDC

✚ Mechanical

Casing
Metal case
IP30

Dimensions
36 x 90 x 100mm (W x D x H)
(1.42" x 3.54" x 3.94")
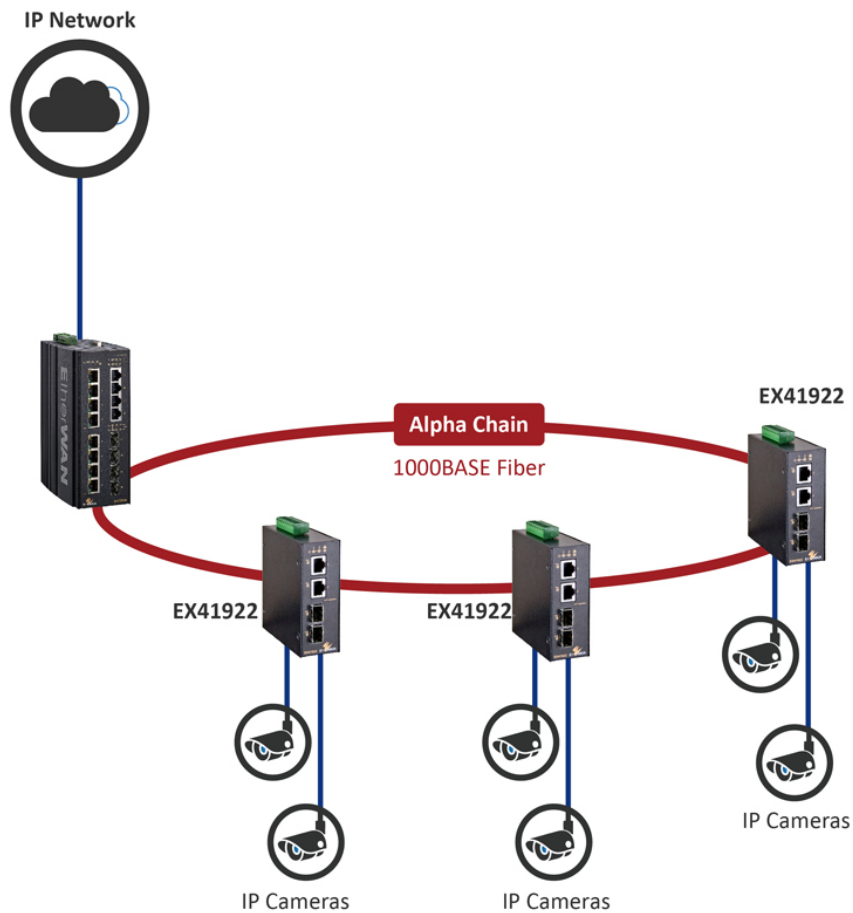
Weight
0.25Kg (0.55lb)

Installation
DIN-Rail

Application

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

LED Indicators
Per Unit: Power1 (Green), Power2 (Green), Alarm (Red)
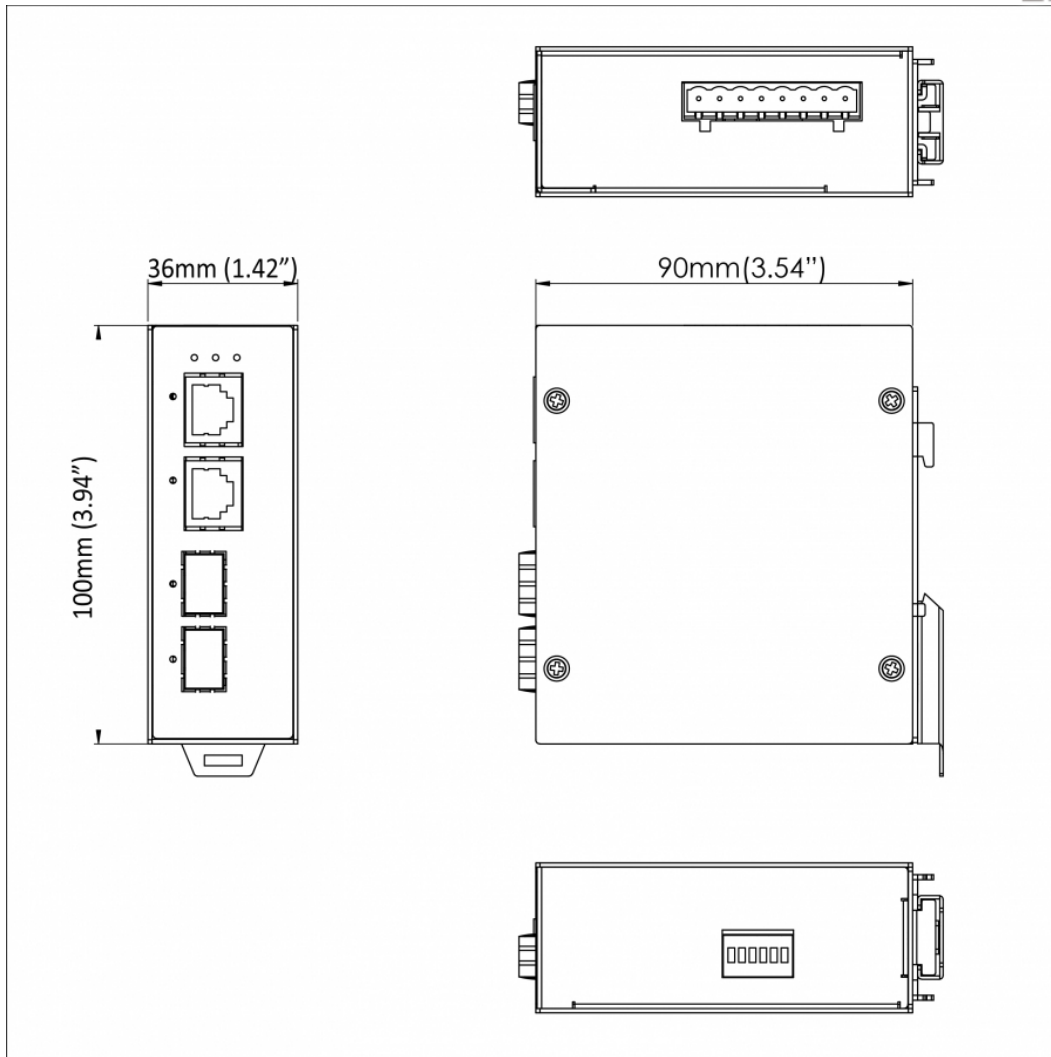Per Port: Link & Activity (Green)

port on

0VAC
pen

ds)

• 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)

Dimensions

Ordering Info

Model

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* DIN-Rail mounting kit included