

EX45900 Series

Hardened Unmanaged 5-port 10/100/1000BASE (4 x PoE) + 1-port 1000BASE-X Gigabit Ethernet Switch





Overview

EtherWAN's EX45900 Series provides a hardened 5-port switching platform supporting IEEE802.3at Power over Ethernet, high performance switching with robust features required for mission-critical and harsh environments where sustained connectivity is crucial.

The EX45900 Series is equipped with 4 10/100/1000BASE-TX PoE ports, in combination with one Gigabit Fiber option. The EX45900 is feature rich with 10K Jumbo Frame support, full wire speed Gigabit throughput, QoS support and eco-friendly IEEE802.3az EEE (Energy Efficient Ethernet) compliant, making the EX45900 Series a powerful yet energy efficient network switch.

The IEEE802.3at PoE ports provide up to 30W/port with a total power budget of 120W, making the switch truly versatile for connecting with PoE Powered Devices (PD) with different bandwidth and power consumption requirements such as; outdoor PTZ dome cameras, wireless access points, and way-side communication devices.

EtherWAN — "When Connectivity is Crucial."

Highlights

+ Power over Ethernet

Port 1-4 are PoE ports that provide power up to 30W

+ Energy Efficient Ethernet (EEE)

Supports IEEE802.3az standard)



Up to one 1000BASE-SX ports with SC, ST and SFP options



Specifications

+ Technology

Standards

IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX/100BASE-FX IEEE 802.3ab 1000BASE-T IEEE 802.3z 1000BASE-SX/1000BASE-LX IEEE 802.3x Full duplex flow control IEEE 802.3az Energy Efficient Ethernet IEEE 802.1p Quality of Service (QoS) IEEE 802.3af/at Power over Ethernet (PoE)

Forward and Filtering Rate

14,880pps for 10Mbps 148,810pps for 100Mbps 1,488,100pps for 1000Mbps

Packet Buffer Memory 1M bits

Processing Type Store-and-Forward Auto Negotiation Half-duplex back-pressure and IEEE 802.3x fullduplex flow control Auto MDI/MDIX

Jumbo Frame

10K bytes

Address Table Size

8192 MAC addresses

+ Interface

Ethernet Ports 10/100/1000BASE-T: 5 ports 1000BASE-X: 0 or 1 ports

LED indicators Per Unit: Power 1 (Green), Power 2 (Green), Alarm (Red) Per Port: 10/100M (Green), 1000M (Amber) Per PoE Port: PoE Status (Amber)

DIP Switches

Enable/Disable Port fault alarm Enable/Disable Broadcast Storm Protection Enable/Disable Jumbo Frame

Alarm Contact

One relay output with current 1A/250VAC Supports normal open

+ Environment

Operating Temperature -40 to 75°C (-40 to 167°F); Tested @ -40 to 85°C (-40 to 185°F)

Storage Temperature -40 to 85°C (-40 to 185°F)

Ambient Relative Humidity 5% to 95% (non-condensing)



+ Power

Input 18-57VDC

Power Consumption

Device: Max. 7W (Without PoE) PoE Power Budget: 120W

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

Protection Reverse polarity protection

+ Mechanical

Casing Metal Case IP30

Dimensions 30 x 100 x 149mm (W x D x H) (1.18" x 4" x 5.96")

Weight 0.34Kg (0.75lb.)

Installation DIN-Rail

+ Regulatory Approvals

ISO

Manufactured in an ISO 9001 facility

Safety

UL 60950

UL 61010 (EX42305/EX42315-V only)

EMI

FCC Part 15B Class A VCCI Class A EN 61000-6-4 EN 61000-3-2 EN 61000-3-3 EN 55022 Class A

EMS

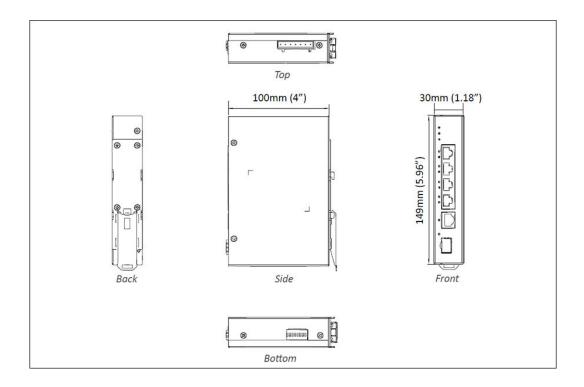
EN 61000-6-2 -EN 61000-4-2 (ESD Standards) -EN 61000-4-3 (Radiated RFI Standards) -EN 61000-4-4 (Burst Standards) -EN 61000-4-5 (Surge Standards) -EN 61000-4-6 (Induced RFI Standards) -EN 61000-4-8 (Magnetic Field Standards)

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)



Dimensions



Ordering Info

+ Model

EX45905	5-port 10/100/1000BASE-T (4 x PoE) Gigabit Hardened Unmanaged Ethernet Switch
EX45915-V	5-port 10/100/1000BASE-T (4 x PoE) +1-port 1000BASE-X Gigabit Hardened Unmanaged Ethernet Switch

* DIN-Rail mounting kit included.

+ Optional Accessories

NDR-240-48	240W/5A DIN-Rail 48VDC Industrial Power Supply



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EtherWAN is constantly developing and improving products. Specifications are subject to change without notice and without incurring any obligation.