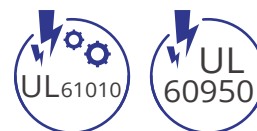


EX42300 Series

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



Product Highlights

➔ Power over Ethernet

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

➔ Fiber Connectivity

- Up to one 1000BASE-SX port with SFP options

➔ Energy Efficient Ethernet (EEE)

- Supports IEEE 802.3az standard

Overview

EtherWAN's EX42300 Series is a compact Hardened Unmanaged PoE switching platform, designed for easy deployment in harsh environments.

The EX42300 Series is equipped 6 Ethernet ports, with a combination of Fast Ethernet copper ports with 4-port PoE (IEEE 802.3at), one Gigabit copper port, and one Gigabit fiber port for long distance connectivity. The EX42300 is feature rich with 10K Jumbo Frame support on the Gigabit ports, full wire speed throughput, QoS support and eco-friendly IEEE 802.3az EEE (Energy Efficient Ethernet) compliant, making the EX42300 Series a powerful yet energy efficient network switch.

EtherWAN – "When Connectivity is Crucial."

Ordering Information

Model

EX42305	4-port 10/100BASE-TX (4 x PoE) +1-port 10/100/1000BASE-T Gigabit Hardened Unmanaged Ethernet Switch
EX42315	4-port 10/100BASE-TX (4 x PoE) +1-port 10/100/1000BASE-T +1-port 1000BASE-X SFP Gigabit Hardened Unmanaged Ethernet Switch

* DIN-Rail mounting kit included.

Optional Accessories

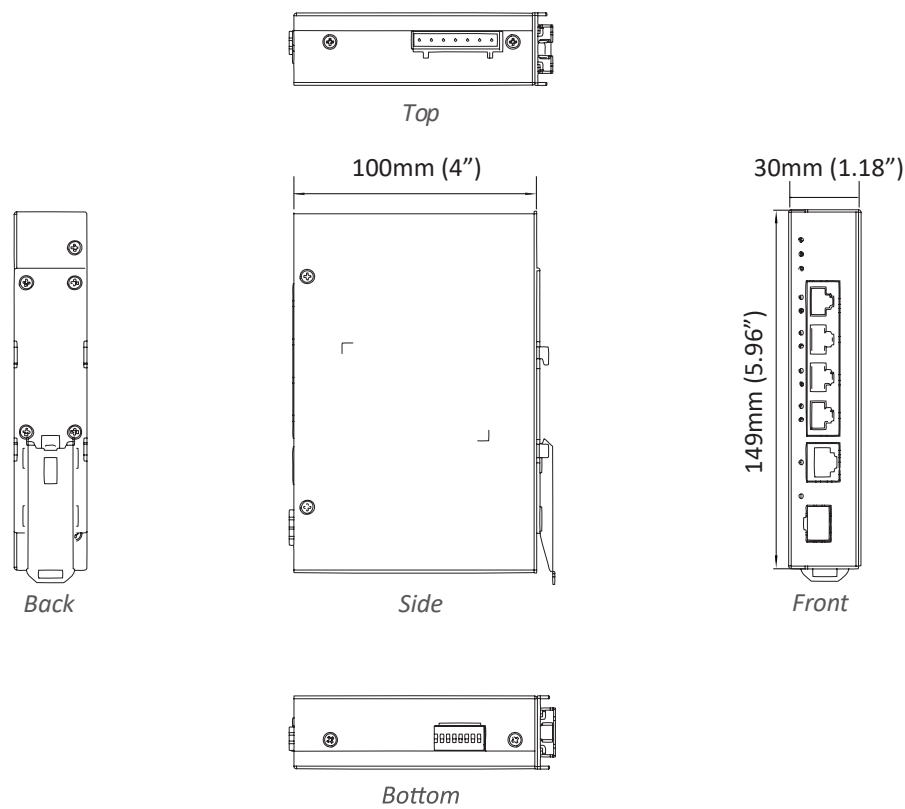
NDR-240-48	240W/5A DIN-Rail 48VDC Industrial Power Supply
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Hardware Specifications

Interface +	
Ethernet Ports	10/100BASE-TX: 4 ports 10/100/1000BASE-T: 1 port 1000BASE-X: 0 or 1 port
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
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/Filtering Rate	14,880pps for 10Mbps 148,810pps for 100Mbps 1,488,100pps for 1000Mbps
Packet Buffer Memory	1Mbits
Processing Type	Store-and-Forward Auto Negotiation Half-duplex back-pressure and IEEE 802.3x full-duplex flow control Auto MDI/MDIX
Jumbo Frame	10K bytes
Address Table Size	8192 MAC addresses
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

Physical +	
Casing Material	Metal Case
IP Rating	IP30
Dimensions	30 x 100 x 149mm (W x D x H) 1.18" x 4" x 5.96"
Weight	0.34kg (0.75lbs)
Installation Type	DIN-rail mounting
Environmental +	
Operating Temp.	-40 to 75°C (-40 to 167°F) Tested @ -40 to 85°C (-40 to 185°F)
Storage Temp.	-40 to 85°C (-40 to 185°F)
Relative Humidity	5% to 95% (non-condensing)
Regulatory +	
ISO	Manufactured in 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)
Vibration	IEC 60068-2-6 Fc
Shock	IEC 60068-2-27 Ea
Free Fall w/package	FED STD 101C Method 5007.1
Warranty +	
Length	Limited Lifetime
Details	www.etherwan.com/support/warranty-policy
What's Included +	
Device	Ethernet Switch
Cables	1 Console Cable
Documentation	Quick Install Guide

Dimensions



Accessories

Hardened Gigabit SFP Modules	+
www.etherwan.com/products/sfp-fiber-transceiver	
DIN-Rail Power Supplies	+
www.etherwan.com/products/din-rail-power-supply (*)	
*Recommended Power Supply	+
NDR-480-48 480W 48VDC DIN-Rail Power Supply	