EX42395AT

Hardened Unmanaged 4-Port Gigabit PoE &
2-Port Gigabit SFP/RJ45 Combo Ethernet Switch

EtherWAN

30W PoE · SFP Option · Wide Temperature · Fanless

Product Highlights

◉ High-Power PoE (Power over Ethernet)

- Up to 30W output per port for various security, LED lighting, and other applications
- Total PoE power budget of 120W
- Backward compatible with 802.3af devices

◉ Hardened-Grade for Non-Ventilated & Harsh Environments

- Wide operating temperature range from -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

Overview

EtherWAN's EX42395AT is a hardened unmanaged PoE switch which can be wall or DIN-rail mounted. 4 gigabit PoE ports provide up to 30W output per port with a PoE power budget of 120W, ensuring that the maximum possible power is delivered to every device at all times. 2 SFP/RJ45 combo uplink ports provide flexibility for data transmission and cascading. The EX42395AT 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.
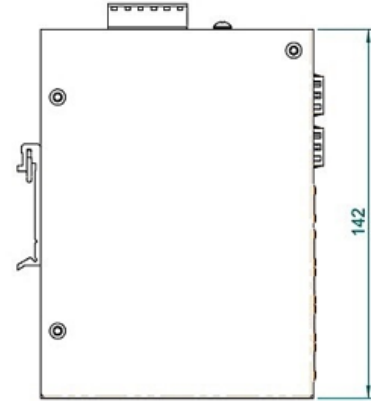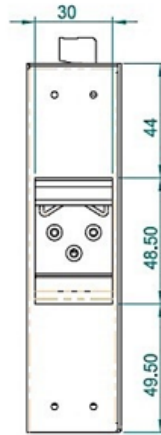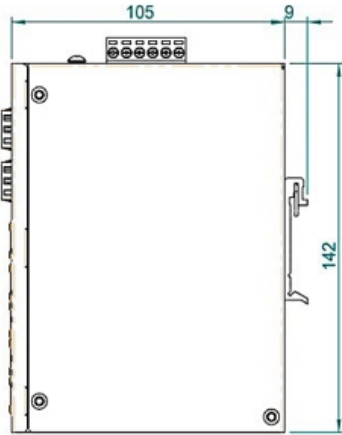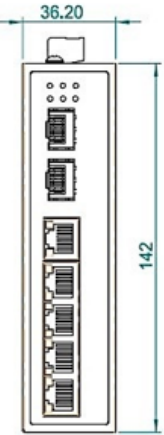
Ordering Information

Model

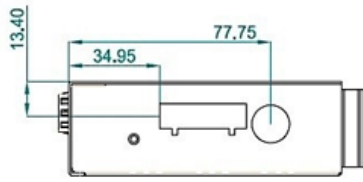|	
EX423**9**5AT	4-port 10/100/1000BASE-T PoE + 2-port Gigabit SFP/RJ45 Combo Ethernet Switch

Hardware Specifications

Interface +

Ethernet	4 x 10/100/1000BASE-T(X) + 2 x 100/1000BASE SFP/RJ45
Alarm Contact	1 x relay output Current capacity 1A@24VDC
LED Indicators	Per unit: Power 1, Power 2, Power 3 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

Switch Properties and Performance +

Switching Fabric	12Gbps
Jumbo Frame Size	9KB
MAC Table Size	1K
Packet Buffer Memory	1Mb

Power +

Input	48-56VDC redundant (terminal block) + 48-56VDC power DIN connector;
Power Consumption	5.76W max @ 48VDC, without PoE
PoE Power Output	Per Port: Up to 30W/port Power Budget: 120W
Protection	Reverse polarity protection, Current overload protection

Physical +

Casing Material	Metal
IP Rating	IP30
Dimensions	1.43" x 4.13" x 5.6" (W x D x H) 36.2 x 105 x 142mm
Weight	1.0lbs (0.45kg)
Installation Type	DIN-rail or wall/panel mounting

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

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	EN 60068-2-6
Shock	EN 60068-2-27
Free Fall	EN 60068-2-32

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

Accessories

Hardened SFP Modules	+

https://www.etherwan.com/us/products/sfp-fiber-transceiver

Power Supplies	+

https://www.etherwan.com/us/products/power-supplies