410GX2-PoE Datasheet

Aiming to create better and safer working environments and life experiences through the products we deliver.

410GX2-PoE

Reliable Plug and Play Industrial Ethernet Switch for Automation and Electrical OEM

410GX2-PoE

Industrial Unmanaged Ethernet Switch

AVCOMM 410GX2-PoE unmanaged Ethernet switch is 2-port 1000Base-X and 8-port 10/100Base-TX RJ-45 which supports IEEE802.3af/at (POE), provides connected device 30W per PoE network interface. It is highly scalable and can transmit data over long distances through fiber-optic ports. It has wide operation temperature range, high anti-EMI capability to ensure stable work in harsh industrial environments and supports DIN Rail-mounted/wall-mounted to facilitate in various industrial network applications.

FC **CE** **cUL** **IEC61000-6-2 IEC61000-6-4** **PoE⁺**

📋 Features & Benefits

Fast Ethernet Switching

· Eight (8) 10/100/100BaseT(X) RJ-45 ports and two
  (2) 1000BaseFX port (SC ST FC optional)
· 8 K MAC address table
· Store and forwarding with non-blocking technology
· Support 8 x 100M PoE, IEEE802.3af/at(PoE)

Power protection

· Provide overload protection
· Provide reverse connection protection

Rugged Mechanical Design

· Robust design protects from mechanical deformation
· IP40 industrial rating to withstand harsh environments
· Wide operating temperature range -40°C ~ +75°C

IEEE 802.3u EEE Power Management

· Up to 30W per PoE port
· Energy Efficient Ethernet for low power requirement
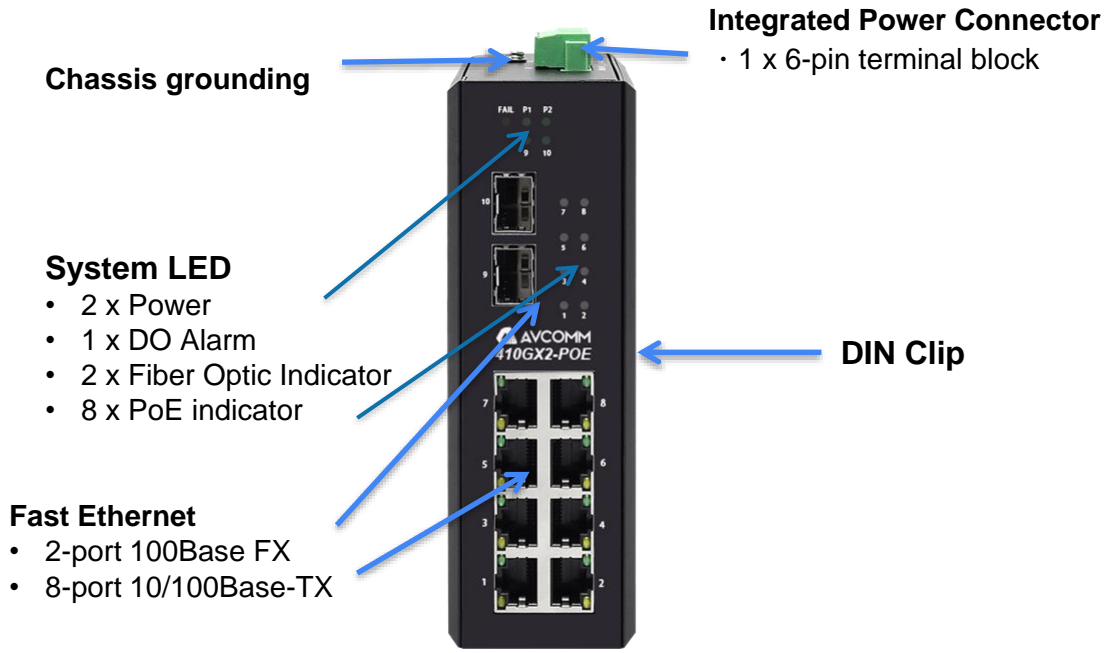· Idle power saving mode for energy efficiency

🛒 Order Information

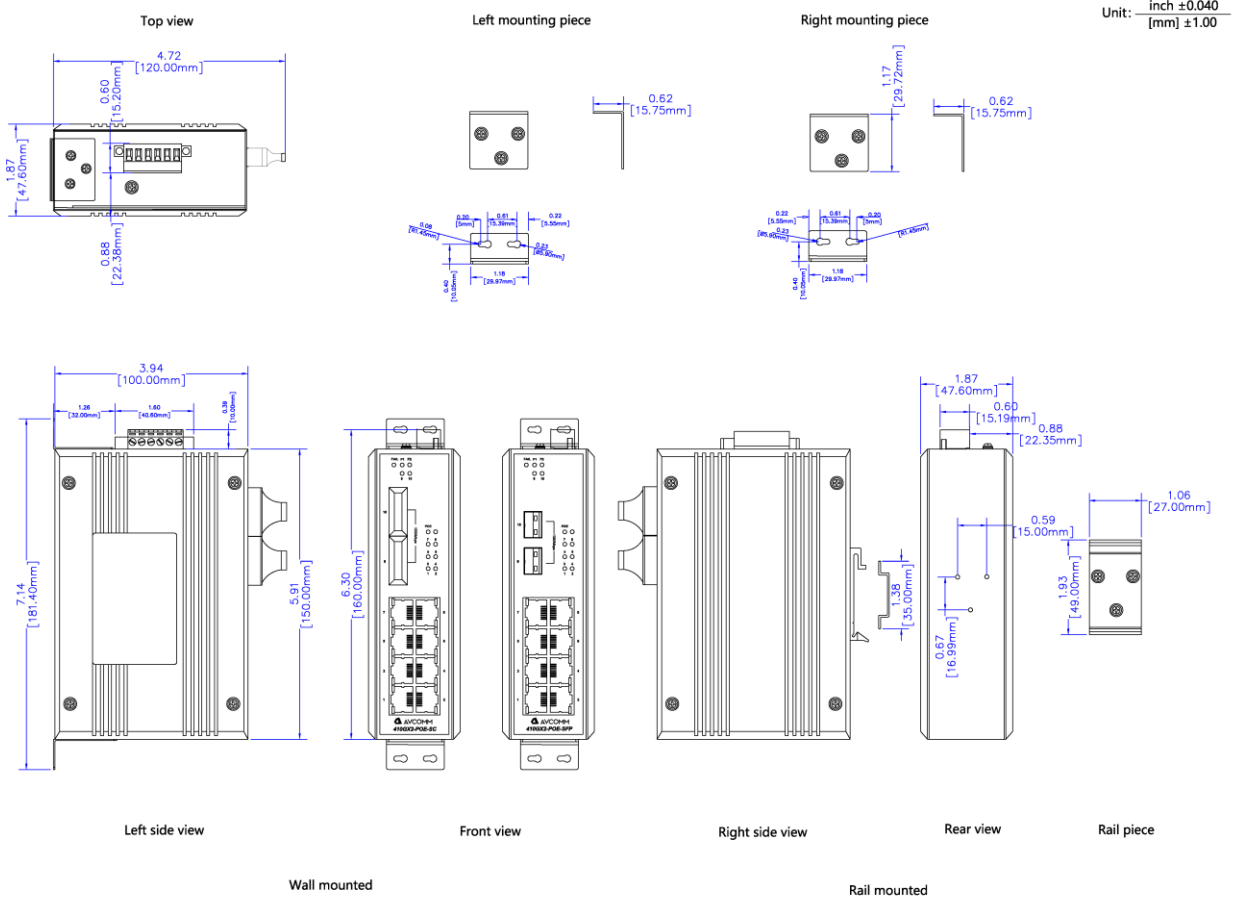| Model Name	Description
410GX2-PoE-SC	10-Port Industrial Unmanaged PoE Ethernet Switch, 8 RJ45 10/100BaseT(X) wth PoE/PoE+ supported, 2 1000BaseFX (Multimode, SC style connector) , dual power Input 48VDC(46~57), -40°C to +75°C
410GX2-PoE-ST	10-Port Industrial Unmanaged PoE Ethernet Switch, 8 RJ45 10/100BaseT(X) wth PoE/PoE+ supported, 2 1000BaseFX (Multimode, ST style connector) , dual power Input 48VDC(46~57), -40°C to +75°C
410GX2-PoE-FC	10-Port Industrial Unmanaged PoE Ethernet Switch, 8 RJ45 10/100BaseT(X) wth PoE/PoE+ supported, 2 1000BaseFX (Multimode, FC style connector) , dual power Input 48VDC(46~57), -40°C to +75°C
410GX2-PoE-SFP	10-Port Industrial Unmanaged PoE Ethernet Switch, 8 RJ45 10/100BaseT(X) wth PoE/PoE+ supported, 2 1000BaseFX (SFP slot) , dual power Input 48VDC(46~57), -40°C to +75°C

Specifications

Technology	
Standard	IEEE 802.3af/at, IEEE802.3, IEEE802.3u, IEEE802.3z Flow control:IEEE802.3x flow control, backpressure flow control

Performance	
Switch Technology	Store and Forwarding Technology with non-blocking
Number of MAC Address	8 K
Packet Buffer Memory	1 MB
Backplane bandwidth	7.6 Gbps
Forwarding rate	1488095 pps

Interface	
Ethernet Port	8 x 10/100BasetT(x)RJ-45 , 2 x 1000Base FX, auto-MDI/MDI-X
System LED	2 x Power: Green On ; 1 x DO Alarm: Red on; 2 x Fiber Optic Indicator: Green On; 8 x PoE Indicator: Green On
Ethernet Port LED	Link (Green On), Active (Green Blinking)
Power Input	6-Pin Removable Terminal Connector

Power Requirement	
Input Voltage	48VDC(46~57),redundant
Reverse Polarity Protect	Yes
Power Consumption	single POE network interface up to 30W, the total power consumption no more than 150W

Mechanical	
Enclosure Material	Metal
Dimension	150 mm x 47.6 mm x 100 mm (W x H x D)
Ingress Protection	IP40
Weight	940 g
Installation method	DIN Rail-mounted/wall-mounted

Environmental	
Operating Temperature & Humidity	-40°C ~ +75°C , 0%~95% Non- Condensing
Storage Temperature	-40°C ~ +85°C
MTBF	>2,000,000 hours
Warranty	5 years

Standard	
EMI	FCC Part 15 Subpart B class A, EN55022 class A
EMS	IEC(EN)61000-4-2(ESD) IEC(EN)61000-4-3(RS) IEC(EN)61000-4-4(EFT) IEC(EN)61000-4-5(Surge) IEC(EN)61000-4-6(CS) IEC(EN)61000-4-8 IEC 60068-2-27(Shock) IEC 60068-2-32(Freefall) IEC 60068-2-6(Vibration)

100Base FX		
Multi Mode	AVC-SFP-FX-SX （550m）	Wavelength: 850 nm
	AVC-SFP-FX-S （2km）	Wavelength: 1310 nm
Single Mode	AVC-SFP-FX-10 (10km)	Wavelength: 1310 nm

1000Base FX		
Multi Mode	AVC-SFP-SX（550m）	Wavelength: 850 nm
	AVC-SFP-LX-S （2km）	Wavelength: 1310 nm
Single Mode	AVC-SFP-LX-10 (10km)	Wavelength: 1310 nm

Function interface

Chassis grounding

Integrated Power Connector
· 1 x 6-pin terminal block

System LED
- 2 x Power
- 1 x DO Alarm
- 2 x Fiber Optic Indicator
- 8 x PoE indicator

DIN Clip

Fast Ethernet
- 2-port 100Base FX
- 8-port 10/100Base-TX

Installation dimensions

Top view

Left mounting piece

Right mounting piece

Unit: inch ±0.040 [mm] ±1.00

Left side view

Front view

Right side view

Rear view

Rail piece

Wall mounted

Rail mounted

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