



612GX4

Datasheet

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



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

612GX4

Industrial Management Switch

AVCOMM 612GX4 is managed Industrial Ethernet Switch which provide eight 10/100baseTX ports, four 1000Base-X ports and one console port. It supports CLI management and Ethernet layer-2 protocol to ensure the stability of the data transmission. Fanless design with low power consumption and high anti-EMI capability enable the stable operation in harsh industrial environments. AVCOMM 612GX4 supports DIN Rail-mounted to facilitate in various industrial network applications.



Features & Benefits

Fast Ethernet Switching

- Eight(8) 10 /100BaseTX RJ-45 ports and four(4) 1000Base-X ports(SC ST SFP optional)
- 8K MAC address table
- Store and forwarding with non-blocking technology

IEEE 802.3u EEE Power Management

- Ultra power consumption efficiency, 15 W fully loaded
- Energy Efficient Ethernet for low power requirement
- Idle power saving mode for energy efficiency

Rugged Mechanical Design

- Robust design protects from mechanical deformation
- IP40 industrial rating to withstand harsh environments
- Wide operating temperature range -40°C ~ +85°C
- IEC61000-6-2 /IEC61000-6-4 heavy industry EMS standards

Power protection

- Provide overload protection
- Provide reverse connection protection



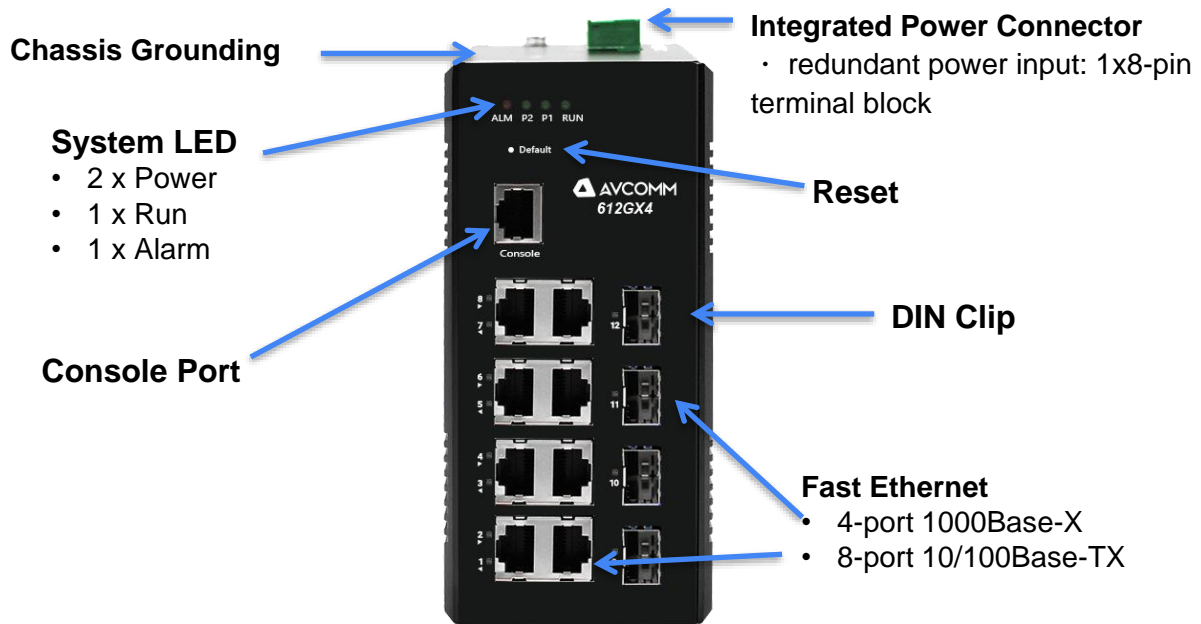
Order Information

Model Name	Description
612GX4-SC	12-Port Fully Managed Industrial Ethernet Switch, 8 RJ45 10/100BaseT(X), 4 1000Base-X (Multimode, SC style connector) , DIN-Rail, Dual Power Input 10-50VDC, -40°C to +85°C
612GX4-ST	12-Port Fully Managed Industrial Ethernet Switch, 8 RJ45 10/100BaseT(X), 4 1000Base-X (Multimode, ST style connector) , DIN-Rail, Dual Power Input 10-50VDC, -40°C to +85°C
612GX4-SFP	12-Port Fully Managed Industrial Ethernet Switch, 8 RJ45 10/100BaseT(X), 4 1000Base-X (SFP) , DIN-Rail, Dual Power Input 10-50VDC, -40°C to +85°C

 Specifications

Technology		
Standard	IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3z, IEEE802.3ab, IEEE802.1Q, IEEE802.1p, IEEE802.1D, IEEE802.1W, IEEE802.1x	
Performance		
Switch Technology	Store and Forwarding Technology	
Number of MAC Address	8K	
Packet Buffer Memory	3 MB	
Backplane bandwidth	9.6 Gbps	
Forwarding rate	148810pps/1488095pps	
Interface		
Ethernet Port	8 x 10/100BaseT(x)RJ-45, auto-MDI/MDI-X, 4 x 1000Base-X	
System LED	2 x Power: Green On, 1 x DO Alarm: Red on, 1 x Run: Green On	
Ethernet Port LED	Link (Green On), Active (Green Blinking)	
Power Input	Pluggable 8-pin terminals (V-/N, V+/L, V-/N, V+/L)	
Power Requirement		
Input Voltage	12/24/48VDC(10.8~52.8VDC), Redundant	
Reverse Polarity Protect	Yes	
Power Consumption	625mA@24V	
Mechanical		
Enclosure Material	Metal	
Dimension	150 mm x 120 mm x 70 mm (W x H x D) without DIN Rail Clip	
Ingress Protection	IP40	
Weight	≤1700g	
Installation method	DIN Rail-mounted	
Environmental		
Operating Temperature & Humidity	-40°C ~ +85°C , 0%~+95% Non- Condensing	
Storage Temperature	-40°C ~ +85°C	
MTBF	>2,000,000 hours	
Warranty	5 years	
Standard		
EMI	FCC Part 15, CISPR (EN55022) class AEMS	
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)	
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



Installation dimensions

