608FX2
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

608FX2

Industrial Management Switch

AVCOMM 608FX2 is managed Industrial Ethernet Switch which provide six 10/100baseTX ports, two 100BaseFX 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 608FX2 supports DIN Rail-mounted to facilitate in various industrial network applications.

Features & Benefits

Fast Ethernet Switching

• Six(6) 10 /100BaseTX RJ-45 ports and two(2) 100BaseFX ports(SC ST optional)
• 8K MAC address table
• Store and forwarding with non-blocking technology

IEEE 802.3u EEE Power Management

• Ultra power consumption efficiency, 9.6 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
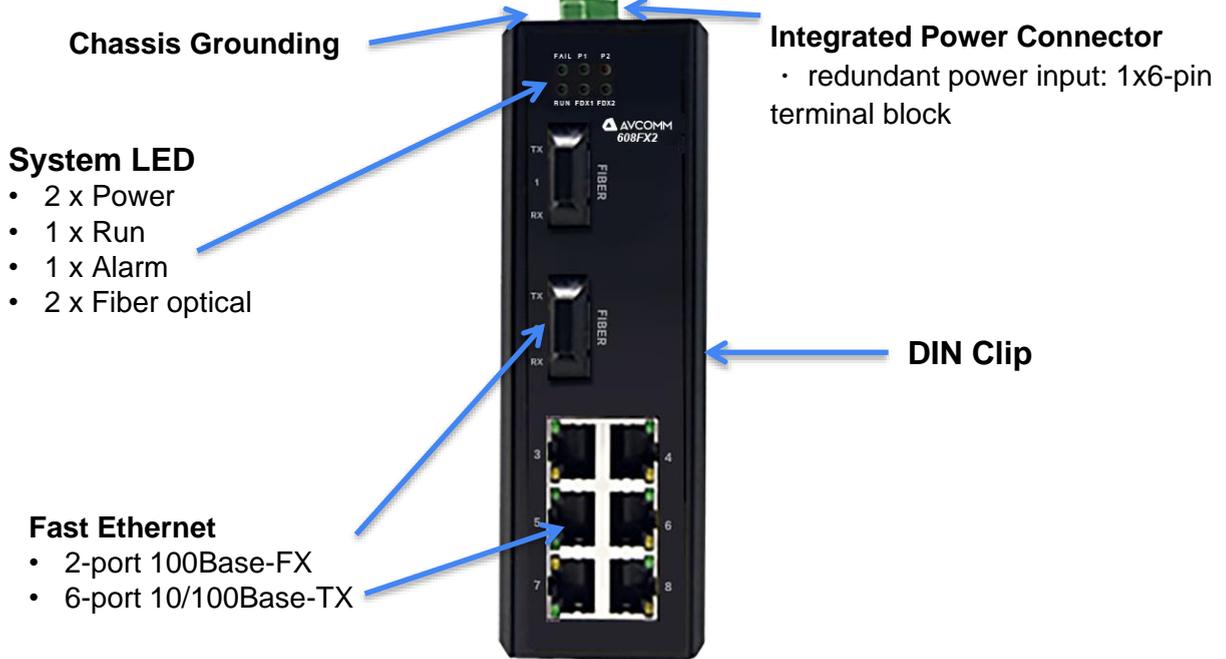• Provide reverse connection protection

Order Information

Model Name	Description
608FX2-SC	8-Port Fully Managed Industrial Ethernet Switch, 6 RJ45 10/100BaseT(X), 2 100BaseFX (Multimode, SC style connector) , DIN-Rail, Dual Power Input 10-50VDC, -40°C to +85°C
608FX2-ST	8-Port Fully Managed Industrial Ethernet Switch, 6 RJ45 10/100BaseT(X), 2 100BaseFX (Multimode, SC style connector) , DIN-Rail, Dual Power Input 10-50VDC, -40°C to +85°C

⚙ Specifications

Technology	
Standard	IEEE 802.3u, IEEE 802.3z, IEEE 802.3, IEEE 802.1D, IEEE 802.1W, IEEE 802.1s, IEEE 802.3x, IEEE 802.1Q, IEEE 802.1p, IEEE 802.1x
Performance	
Switch Technology	Store and Forwarding Technology
Number of MAC Address	8K
Packet Buffer Memory	1 MB
Backplane bandwidth	7.6 Gbps
Forwarding rate	148810pps/1488095pps
Interface	
Ethernet Port	6 x 10/100BasetT(x)RJ-45 , auto-MDI/MDI-X , 2 x 100Base FX
System LED	2 × Power: Green On, 1 × DO Alarm: Red on, 1 × Run: Green On, 2 x Fiber optical: Green On
Ethernet Port LED	Link (Green On), Active (Green Blinking)
Power Input	Pluggable 6-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	400mA@24V
Mechanical	
Enclosure Material	Metal
Dimension	150 mm x 47.6 mm x 100 mm (W x H x D) without DIN Rail Clip
Ingress Protection	IP40
Weight	930g
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 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)

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

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Function interface

Chassis Grounding

Integrated Power Connector
· redundant power input: 1x6-pin terminal block

System LED
- 2 x Power
- 1 x Run
- 1 x Alarm
- 2 x Fiber optical

DIN Clip

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

Installation dimensions

Unit: inch ±0.040 / [mm] ±1.00

Top view

Left mounting piece

Right mounting piece

Left side view

Front view

Right side view

Rear view

Rail piece

Wall mounted

Rail mounted

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