



405FX-PoE

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

405FX-PoE

Industrial Unmanaged Ethernet Switch

AVCOMM 405FX-PoE unmanaged Ethernet switch is 1-port 100Base-X and 4-port 10/100/1000Base-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.



Features & Benefits

Fast Ethernet Switching

- Four (4) 10/100/1000BaseT(X) RJ-45 ports and one (1) 100BaseFX port (SC ST FC SFP optional)
- 1K MAC address table
- Store and forwarding with non-blocking technology
- Support 4 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
405FX-PoE-SC	5-Port Industrial Unmanaged PoE Ethernet Switch, 4 RJ45 10/100BaseT(X) with PoE/PoE+ supported, 1 100BaseFX (Multimode, SC style connector), Dual power Input 48VDC(46~57), -40°C to +75°C
405FX-PoE-ST	5-Port Industrial Unmanaged PoE Ethernet Switch, 4 RJ45 10/100BaseT(X) with PoE/PoE+ supported, 1 100BaseFX (Multimode, ST style connector), Dual power Input 48VDC(46~57), -40°C to +75°C
405FX-PoE-FC	5-Port Industrial Unmanaged PoE Ethernet Switch, 4 RJ45 10/100BaseT(X) with PoE/PoE+ supported, 1 100BaseFX (Multimode, FC style connector), Dual power Input 48VDC(46~57), -40°C to +75°C
405FX-PoE-SFP	5-Port Industrial Unmanaged PoE Ethernet Switch, 4 RJ45 10/100BaseT(X) with PoE/PoE+ supported, 1 100BaseFX (SFP slot), Dual power Input 48VDC(46~57), -40°C to +75°C

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Specifications

Technology		
Standard	IEEE 802.3af/at, IEEE802.3, IEEE802.3u Flow control:IEEE802.3x flow control, backpressure flow control	
Performance		
Switch Technology	Store and Forwarding Technology with non-blocking	
Number of MAC Address	1K	
Packet Buffer Memory	0.5 MB	
Backplane bandwidth	1.2 Gbps	
Forwarding rate	1488095 pps	
Interface		
Ethernet Port	4 x 10/100BaseT(x)RJ-45 , 1 x 100Base FX, auto-MDI/MDI-X	
System LED	2 x Power: Green On ; 1 x DO Alarm: Red on; 1 x Fiber Optic Indicator: Green On; 4 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 80W	
Mechanical		
Enclosure Material	Metal	
Dimension	150 mm x 47.6 mm x 100 mm (W x H x D)	
Ingress Protection	IP40	
Weight	830 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

