



AVCOMM®

4005TX

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

4005TX

Industrial Unmanaged Ethernet Switch

AVCOMM 4005TX is 5-port 10/100/1000Base-TX RJ-45 unmanaged Ethernet switch with reverse polarity protection of DC input. 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

- Five (5) 10/100/1000BaseT(X) RJ-45 ports
- 1K MAC address table
- Store and forwarding with non-blocking technology

IEEE 802.3u EEE Power Management

- Ultra power consumption efficiency, 4.8 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

Power protection

- Provide overload protection
- Provide reverse connection protection

Ordering Information

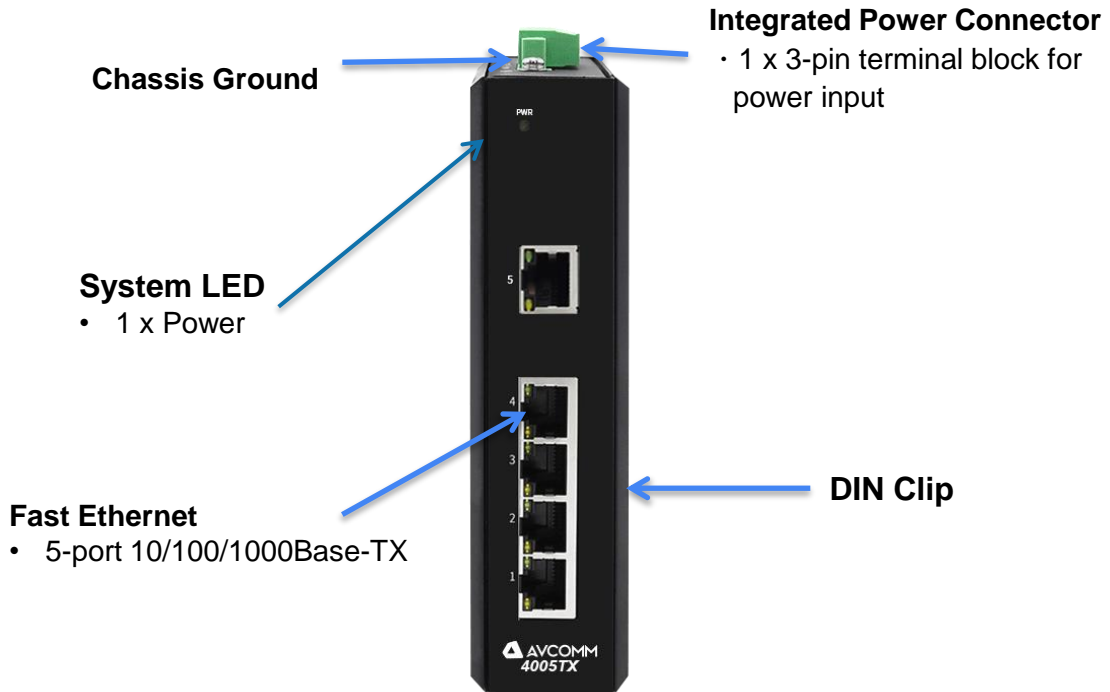
Model Name	Description
4005TX	5-Port Industrial Unmanaged Ethernet Switch, 5 RJ45 10/100/1000BaseT(X), DIN-Rail, Power Input 12-48VDC, -40°C to +85°C

 Specifications

Technology	
Standard	IEEE 802.3 10Base-T; IEEE 802.3u 100Base-TX; IEEE 802.3ab 1000Base-T; IEEE 802.3x
Performance	
Switch Technology	Store and Forwarding Technology with non-blocking
Number of MAC Address	1K
Packet Buffer Memory	1 MB
Backplane bandwidth	12 Gbps
Forwarding rate	1488095pps
Interface	
Ethernet Port	5 x 10/100/1000BaseT(x)RJ-45,auto-MDI/MDI-X
System LED	1 x Power: Green On
Ethernet Port LED	Link (Green On), Active (Green Blinking)
Power Input	3-Pin Removable Terminal Connector
Power Requirement	
Input Voltage	12/24/48VDC (10~50VDC)
Reverse Polarity Protect	Yes
Power Consumption	200mA@24V
Mechanical	
Enclosure Material	Metal
Dimension	37 mm x 150 mm x 100 mm (W x H x D) without DIN Rail Clip
Ingress Protection	IP40
Weight	850g
Installation method	DIN Rail-mounted/wall-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 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)



Function interface



Installation dimensions

