



# 405TX

# 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

### 405TX

#### Industrial Unmanaged Ethernet Switch

AVCOMM 405TX is a 5-port plug and play fast unmanaged Ethernet switch with reverse polarity protection of AC or DC input for automation and electrical OEM purpose. It has wide operation temperature range, high EMC performance to ensure stable work in harsh industrial environments and supports DIN Rail-mounted to facilitate in various industrial network applications. AVCOMM 405TX is suitable for industrial applications such as industrial automation, intelligent transportation, video surveillance, and electrical OEMs.



#### Features & Benefits

##### Fast Ethernet Switching

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

##### IEEE 802.3u EEE Power Management

- Ultra low power design, 2.4W when full loading
- Energy Efficient Ethernet for low power requirement
- Idle power saving mode for energy efficiency

##### Rugged Mechanical Design

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

##### Power protection

- Provide overload protection
- Provide reverse connection protection
- Provide multiple power input options, AC or DC or HV

#### Ordering Information

Model Name	Description
405TX	5-Port Industrial Unmanaged Ethernet Switch, 5 RJ45 10/100BaseT(X), DIN-Rail, Dual Power Input 10-50VDC, -40°C-+85°C
405TX-AC	5-Port Industrial Unmanaged Ethernet Switch, 5 RJ45 10/100BaseT(X), DIN-Rail, Dual Power Input 90-264VAC, -40°C-+85°C
405TX-HV	5-Port Industrial Unmanaged Ethernet Switch, 5 RJ45 10/100BaseT(X), DIN-Rail, Dual Power Input 90-264VDC, -40°C-+85°C

 Specifications

<b>Technology</b>	
Standard	IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3x
<b>Performance</b>	
Switch Technology	Store and Forward Technology with non-blocking Switch Fabric
Number of MAC Address	1K
Packet Buffer Memory	0.5MB
Backplane bandwidth	1.2Gbps
Forwarding rate	148810pps
<b>Interface</b>	
Ethernet Port	5 x 10/100BaseT(x) RJ-45, Auto-Negotiation
System LED	1 x Power: Green On
Ethernet Port LED	Link (Green On), Active (Green Blinking)
Power Input	3-Pin Removable Terminal Connector (V-/N, V+/L, V-/N, V+/L)
<b>Power Requirement</b>	
Input Voltage	12/24/48VDC (10~50VDC) or 110/220VAC(90~264VAC) or 110/220VDC(90~264VDC) , Redundant
Reverse Polarity Protect	Yes
Power Consumption	100mA@24V
<b>Mechanical</b>	
Enclosure Material	Steel Metal
Dimension	37 mm x 150 mm x 100 mm (W x H x D) without DIN Rail Clip
Ingress Protection	IP40
Weight	800g
Installation method	DIN Rail or wall mounting
<b>Environmental</b>	
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
<b>Standard</b>	
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)

