



# 616TX

# 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

### 616TX

#### Industrial Management Switch

AVCOMM 616TX is managed Industrial Ethernet Switch which provide sixteen 10/100baseTX 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 616TX supports DIN Rail-mounted to facilitate in various industrial network applications.



### Features & Benefits

#### Fast Ethernet Switching

- Sixteen(16) 10 /100BaseTX RJ-45 ports
- 8K MAC address table
- Store and forwarding with non-blocking technology

#### IEEE 802.3u EEE Power Management

- Ultra power consumption efficiency, 20W 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 ~ +75°C
- IEC61000-6-2 /IEC61000-6-4 heavy industry EMS standards

#### Power protection

- Provide overload protection
- Provide reverse connection protection



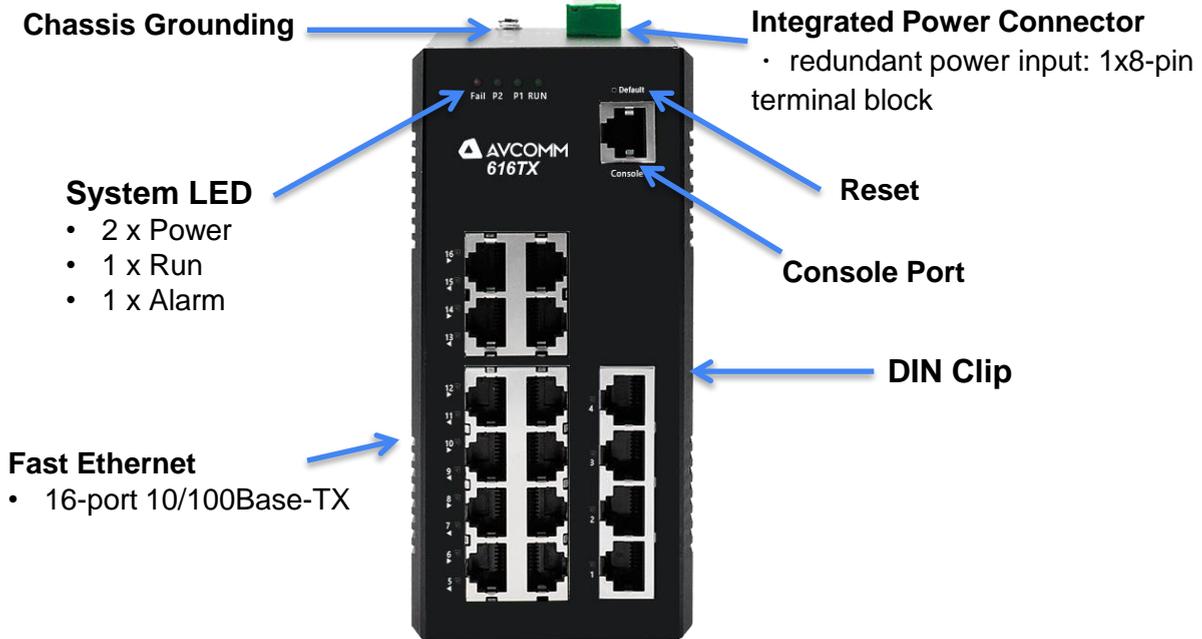
### Order Information

Model Name	Description
616TX	16-Port Fully Managed Industrial Ethernet Switch, 16 RJ45 Ports 10/100Base-T(X), DIN-Rail, Dual Power Input 12-48VDC, -40°C to +85°C

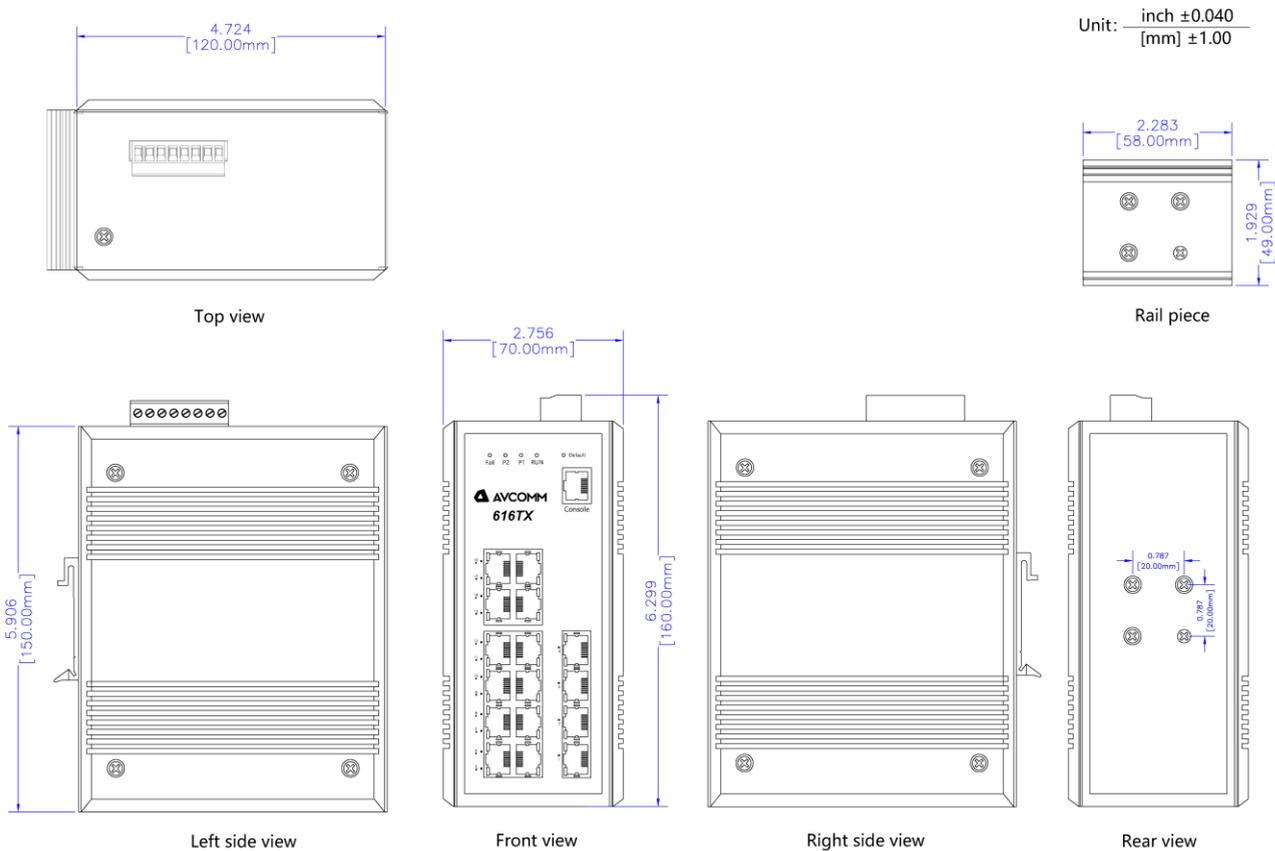
 Specifications

Technology	
Standard	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3x, IEEE802.3z, 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	11.2 Gbps
Forwarding rate	148810pps/1488095pps
Interface	
Ethernet Port	16 x 10/100BaseT(x)RJ-45, auto-MDI/MDI-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	830mA@24V
Mechanical	
Enclosure Material	Metal
Dimension	70 mm x 150 mm x 120 mm (W x H x D) without DIN Rail Clip
Ingress Protection	IP40
Weight	≤2000g
Installation method	DIN Rail-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, 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)

## Function interface



## Installation dimensions



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