

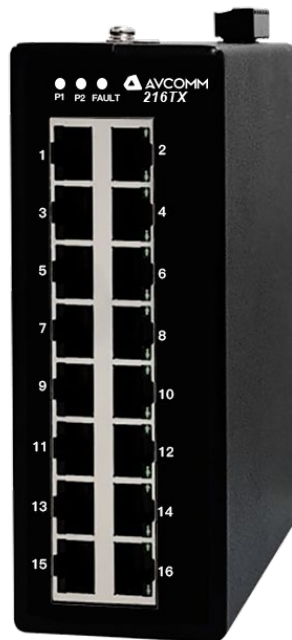


AVCOMM®

# 216TX

## Datasheet

Aiming to create better and safer working environments and life experiences through the products we deliver.



AVCOMM Technologies, Inc

[www.avcomm.us](http://www.avcomm.us)

Email: [info@avcomm.us](mailto:info@avcomm.us)

Phone: (713) 933-4534

Address: 333 West Loop North, Suite 460  
Houston, TX 77024  
United States

## Reliable Plug and Play Industrial Ethernet Switch for Automation and Electrical OEM

### 216TX

#### Industrial Unmanaged Ethernet Switch

AVCOMM 216TX is a 16-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 216TX is suitable for industrial applications such as industrial automation, intelligent transportation, video surveillance, and electrical OEMs.



#### Features & Benefits

##### Fast Ethernet Switching

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

##### IEEE 802.3u EEE Power Management

- Ultra power consumption efficiency, 10W 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
- IP30 industrial rating to withstand harsh environments
- Wide operating temperature range -40°C ~ 75°C
- IEC61000-6-2/IEC61000-6-4 heavy industrial EMS

##### Power protection

- Provide overload protection
- Provide reverse connection protection
- Provide DC&AC power input

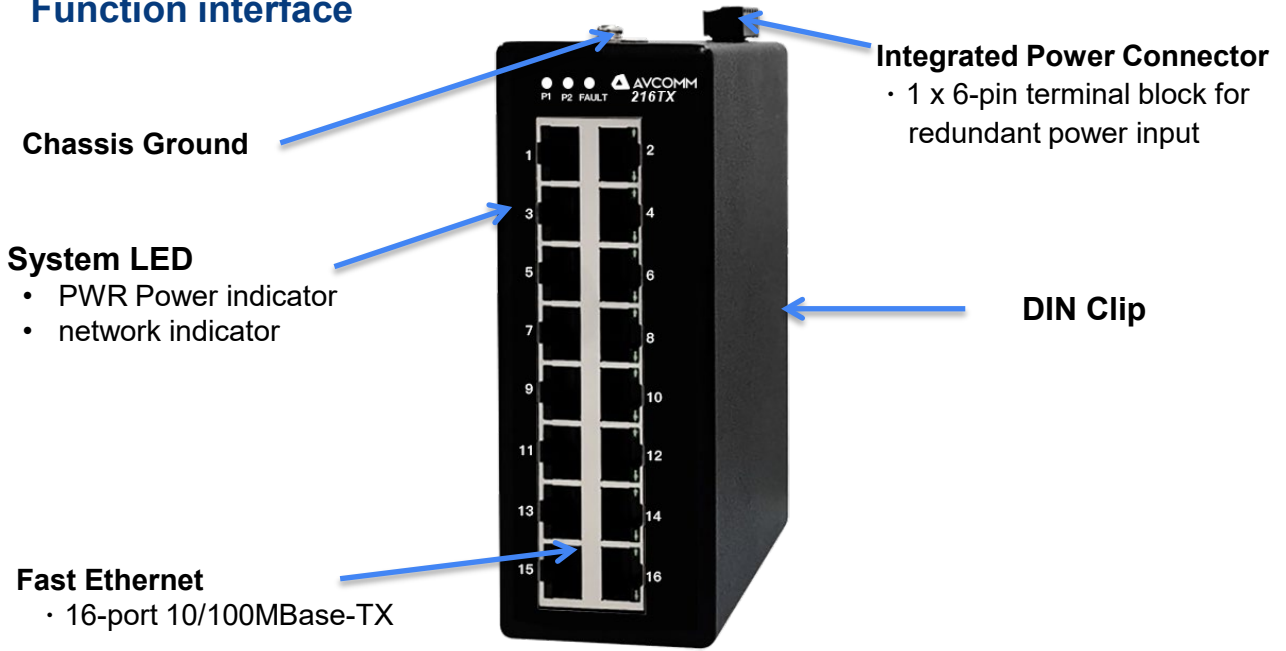
#### Ordering Information

Model Name	Description
216TX	16-Port Industrial Unmanaged Ethernet Switch, 16 RJ45 10/100BaseT(X), DIN-Rail, Redundant 12/24/48VDC(10 to 60VDC)&24VAC(18 to 30VAC) power input, -40°C to +75°C

 Specifications

<b>Technology</b>	
	IEEE 802.3 10Base-T Ethernet
<b>Standard</b>	IEEE 802.3u 100Base-TX Fast Ethernet
<b>Performance</b>	
<b>Switch Technology</b>	Store and Forwarding Technology with non-blocking
<b>Number of MAC Address</b>	8K
<b>Packet Buffer Memory</b>	4 MB
<b>Backplane bandwidth</b>	8.8 Gbps
<b>Maximum frame length</b>	2 KB
<b>Forwarding rate</b>	148810pps
<b>Interface</b>	
<b>Ethernet Port</b>	16 x 10/100BaseT(x)RJ-45 , Auto Negotiation
<b>System LED</b>	PWR Power indicator, network indicator
<b>Ethernet Port LED</b>	Link (Green On), Active (Green Blinking)
<b>Power Input</b>	6-Pin Removable Terminal Connector
<b>Power Requirement</b>	
<b>Input Voltage</b>	12/24/48VDC (10~60VDC) & 24VAC(18 to 30VAC)
<b>Reverse Polarity Protect</b>	Yes
<b>Power Consumption</b>	<10W
<b>Mechanical</b>	
<b>Enclosure Material</b>	Metal
<b>Dimension</b>	52 mm x 140 mm x 100 mm (W x H x D)
<b>Ingress Protection</b>	IP30
<b>Weight</b>	<1kg
<b>Installation method</b>	DIN Rail-mounted
<b>Environmental</b>	
<b>Operating Temperature &amp; Humidity</b>	-40°C ~+75°C , 0%~95% Non- Condensing
<b>Storage Temperature</b>	-40°C ~+85°C
<b>MTBF</b>	>2,000,000 hours
<b>Warranty</b>	5 years
<b>Standard</b>	
<b>EMI</b>	FCC Part, CISPR(EN55022)class A
<b>EMS</b>	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

