408TX
Datasheet

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

AVCOMM

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

408TX

Industrial Unmanaged Ethernet Switch

AVCOMM 408TX is a 8-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/wall-mounted to facilitate in various industrial network applications. AVCOMM 408TX is suitable for industrial applications such as industrial automation, intelligent transportation, video surveillance, and electrical OEMs.

FC CE cULus IEC61000-6-2 IEC61000-6-4

Features & Benefits

Fast Ethernet Switching

· Eight(8) 10/100BaseT(X) RJ-45 ports

· 2K MAC address table

· Store and forwarding with non-blocking technology

IEEE 802.3u EEE Power Management

· Ultra power consumption efficiency, 4.8W 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

· 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

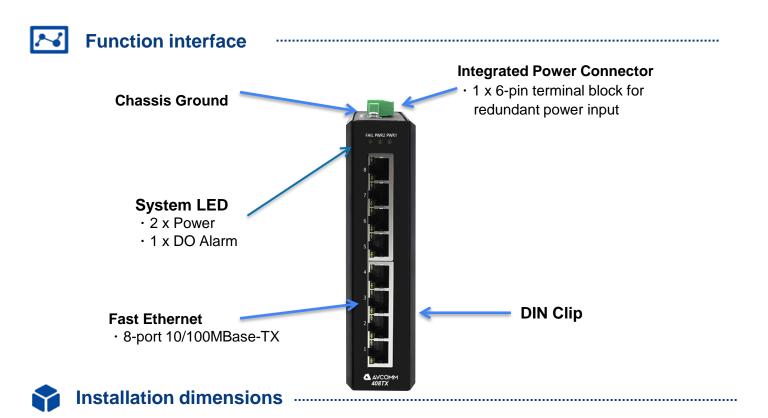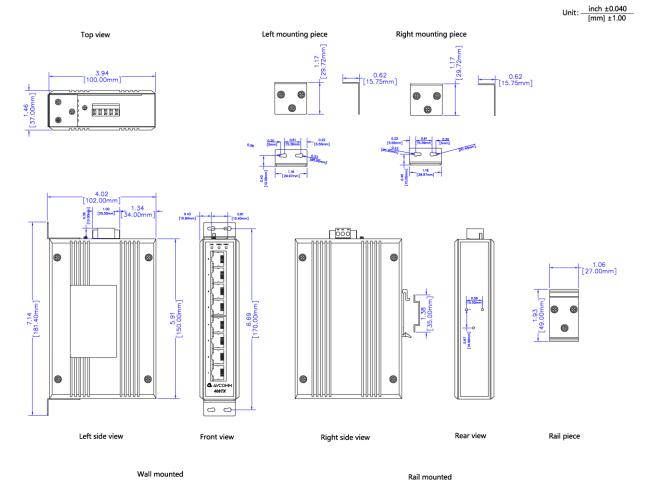| Model Name	Description
408TX	8-Port Industrial Unmanaged Ethernet Switch, 8 RJ45 10/100BaseT(X), DIN-Rail, Dual Power Input 10-50VDC, -40°C to +85°C
408TX-AC	8-Port Industrial Unmanaged Ethernet Switch, 8 RJ45 10/100BaseT(X), DIN-Rail, Dual Power Input 90-264VAC, -40°C to +85°C
408TX-HV	8-Port Industrial Unmanaged Ethernet Switch, 8 RJ45 10/100BaseT(X), DIN-Rail, Dual Power Input 90-264VDC, -40°C to +85°C

Specifications

Technology	
Standard	IEEE 802.3 10Base-T Ethernet
	IEEE 802.3u 100Base-TX Fast Ethernet
	IEEE 802.3x Flow Control and back-pressure

Performance	
Switch Technology	Store and Forwarding Technology with non-blocking
Number of MAC Address	2K
Packet Buffer Memory	1 MB
Backplane bandwidth	2 Gbps
Forwarding rate	148810pps

Interface	
Ethernet Port	8 x 10/100BaseT(x) RJ-45, Auto-Negotiation
System LED	2 x Power: Green On ; 1 x DO Alarm: Red on
Ethernet Port LED	Link (Green On), Active (Green Blinking)
Power Input	6-Pin Removable Terminal Connector (V-/N, V+/L, V-/N, V+/L)

Power Requirement	
Input Voltage	12/24/48VDC (10~50VDC) or 110/220VAC(90~264VAC) or 110/220VDC(90~264VDC) , Redundant
Reverse Polarity Protect	Yes
Power Consumption	120mA@24V

Mechanical	
Enclosure Material	Metal
Dimension	37 mmx 150 mmx 100 mm (W x H x D) without DIN Rail Clip
Ingress Protection	IP40
Weight	700g
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)

Function interface

Integrated Power Connector
· 1 x 6-pin terminal block for redundant power input

Chassis Ground

FAIL PWR2 PWR1

System LED
· 2 x Power
· 1 x DO Alarm

Fast Ethernet
· 8-port 10/100MBase-TX

DIN Clip

Installation dimensions

Unit: inch ±0.040 / [mm] ±1.00

Top view

3.94 [100.00mm]
1.46 [37.00mm]

Left mounting piece

1.17 [29.72mm]
0.62 [15.75mm]
0.20 [5mm] 0.61 [15.39mm] 0.22 [5.55mm]
0.23 [05.90mm]
0.40 [10.00mm] 1.18 [29.97mm]

Right mounting piece

1.17 [29.72mm]
0.62 [15.75mm]
0.22 [5.55mm] 0.61 [15.39mm] 0.20 [5mm]
0.23 [05.90mm]
0.40 [10.00mm] 1.18 [29.97mm]

4.02 [102.00mm]
1.00 [25.50mm] 1.34 [34.00mm]
0.39 [10.00mm]

0.43 [10.90mm] 0.61 [15.40mm]

7.14 [181.40mm]
5.91 [150.00mm]
6.69 [170.00mm]

1.38 [35.00mm]

0.59 [15.00mm]
0.67 [16.99mm]

1.06 [27.00mm]
1.93 [49.00mm]

Left side view   Front view   Right side view   Rear view   Rail piece

Wall mounted

Rail mounted