Industrial Ethernet Switch

Product Datasheet

TH-303-1SFP

Brief Introduction

TH-303-1SFP is one new generation industrial Ethernet switch with 2-Port 10/100Base-TX and 1-port 100Base-FX that provides stable reliable Ethernet transmission, high quality design and reliability. It accepts redundant dual power supply input (9~56VDC), which can offer redundant mechanisms for critical applications that needs always-on connections. It can also operates at standard operating temperature range -40 to 75°C.It supports DIN Rail and Wall Mounting with IP40 protection for harsh environments.
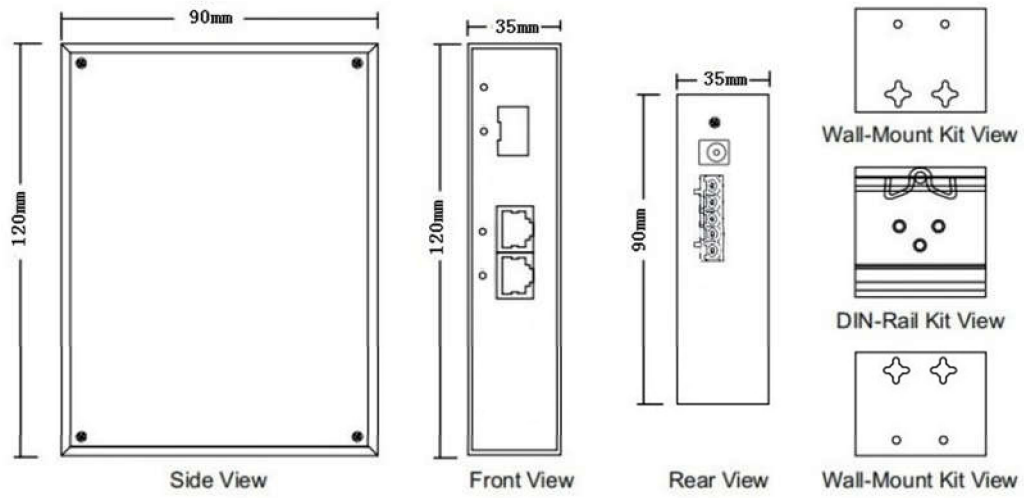
Main Features

- 2x10/100Base-TX RJ45 ports and 1x100Base-FX
- Support 1Mbit packet buffer.
- Support IEEE802.3/802.3u/802.3ab/802.3z/802.3x
- Support redundant dual power input 9~56VDC
- -40~75°C operation temperature for harsh environment
- IP40 Aluminum case, no fan design
- Installation method: DIN Rail /Wall mounting

Product Specifications

Ethernet Interface	
Ports	2×10/100BASE-TX and 1x100Base-FX(SFP)
Power input terminal	Five-pin terminal with 3.81mm pitch
Standards	IEEE 802.3 for 10BaseT
	IEEE 802.3u for 100BaseT(X) and 100BaseFX
	IEEE 802.3ab for 1000BaseT(X)
	IEEE 802.3x for flow control
	IEEE 802.1D-2004 for Spanning Tree Protocol
	IEEE 802.1w for Rapid Spanning Tree Protocol
	IEEE 802.1p for Class of Service
	IEEE 802.1Q for VLAN Tagging
Packet Buffer Size	1M
Maximum Packet Length	10K
MAC Address Table	2K
Transmission Mode	Store and Forward (full/half duplex mode)
Exchange Property	Delay time < 7μs
Backplane bandwidth	1.8Gbps
Power	
Power Input	Dual power input 9-56VDC
Power consumption	Full Load<3W
Physical Characteristics	
Housing	Aluminum case
Dimensions	120mm x 90mm x 35mm (L x W x H)
Weight	320g
Installation Mode	DIN Rail and Wall Mounting
Working Environment	
Operating Temperature	-40℃~75℃ (-40 to 167 ℉)
Operating Humidity	5%~90% (non-condensing)
Storage Temperature	-40℃~85℃ (-40 to 185 ℉)
Warranty	
MTBF	500000 hours
Defects Liability Period	5 years
Certification Standard	FCC Part15 Class A	IEC 61000-4-2（ESD）： Level 4	CE-EMC/LVD	IEC 61000-4-3（RS）： Level 4	ROSH	IEC 61000-4-2（EFT）： Level 4	IEC 60068-2-27（Shock）	IEC 61000-4-2（Surge）： Level 4	IEC 60068-2-6（Vibration）	IEC 61000-4-2（CS）： Level 3	IEC 60068-2-32（Free fall）	IEC 61000-4-2（PFMP）： Level 5

Dimensions

Side View   Front View   Rear View   Wall-Mount Kit View   DIN-Rail Kit View   Wall-Mount Kit View

Order Information

Model Name	Description
TH-303-1SFP	Industrial unmanaged switch with 2x10/100Base-TX RJ45 ports and 1x100Base-FX(SFP). dual power input voltage 9～56VDC