

TH-4G0102P

Industrial Media Converter 1xGigabit SFP, 2x10/100/1000Base-T PoE



Overview

TH-4G0102P Industrial Ethernet PoE Media Converter, is fan-less and energy-saving design, provide reliable power solution for SMBs deploying Power over Ethernet networks. It is small, convenient and easy to maintain and offers high reliability and security to guarantee the continuous industrial operation in harsh environments from $-30^{\circ}\text{C} \sim +75^{\circ}\text{C}$, such as control cabinet of transportation, factory floors, outdoors, or other low or high temperature environments.

Features

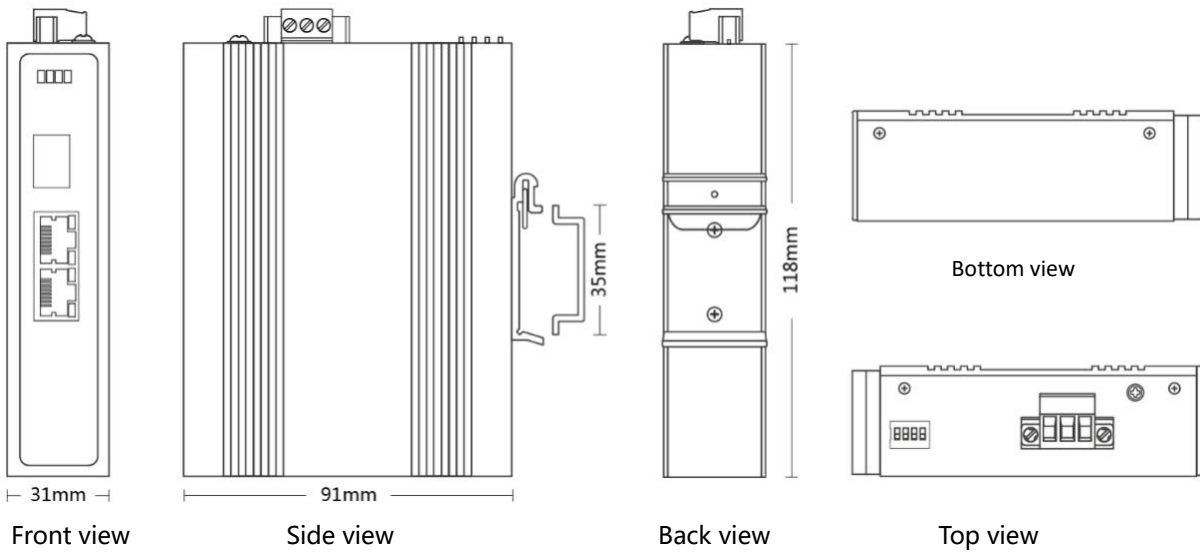
- Complies with the IEEE 802.3, IEEE 802.3u, IEEE 802.3af, IEEE 802.3at
 - Auto-MDI/MDI-X detection and negotiation in half/full-duplex modes for 10/100/1000Base-TX RJ-45 port
 - Features Store-and-Forward mode with wire-speed filtering and forwarding rates
 - Supports packet size of up to 10K bytes
 - Robust IP40 protection, fan-less design, high/low temperature resistance $-30^{\circ}\text{C} \sim +75^{\circ}\text{C}$
 - DC48V-58V input
 - CSMA/CD protocol
 - Automatic source address learning and aging
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Specifications

Provider Mode Ports	
Fixed Port	2*10/100/1000Mbps Ethernet PoE Port, 1*1000Mbps SFP Port
Power Interface	Phoenix terminal, Dual power input
LED Indicators	PWR, Link/ACT LED
Cable Type & Transmission Distance	
Twisted-pair	0-100m (CAT5e, CAT6)
Mono-mode Optical Fiber	20/40/60/80/100KM
Multi-mode Optical Fiber	550m
Network Topology	
Ring Topology	Not support
Star Topology	Support
Bus Topology	Support
Tree Topology	Support
Hybrid Topology	Support
PoE Support	
PoE Port	1-2
PoE Standard	IEEE 802.3af, IEEE 802.3at
Pin Assignment	1, 2, 3, 6
Input Voltage	DC48-58V input
Total Power Consumption	<65W
Layer 2 Switching	
Switching Capacity	14Gbps
Packet Forwarding Rate	10.416Mpps
MAC Address Table	8K
Buffer	1M
Forwarding Delay	<5us
MDX/MIDX	Support
Jumbo Frame	Support 10K bytes

LFP	Support
Storm Control	Support
Port Isolation	Support
DIP Switch	
1 LFP	LFP/ Remote PD Reset
2 LGY	LEGACY (Standard & Non-standard PoE)
3 VLAN	Port Isolation
4 RST	Reset
Environment	
Operating Temperature	-30°C~+75°C
Storage Temperature	-30°C~+85°C
Relative Humidity	10%~95% (non-condensing)
Thermal Methods	Fanless design, natural heat dissipation
MTBF	100,000 hours
Mechanical Dimensions	
Product Size	118*91*31mm
Installation Method	Din-Rail
Net Weight	0.43KGs
EMC & Ingress Protection	
IP Level	IP40
Surge Protection of Power	IEC 61000-4-5 Level 3 (4KV/2KV) (8/20us)
Surge Protection of Ethernet Port	IEC 61000-4-5 Level 3 (4KV/2KV) (10/700us)
ESD	IEC 61000-4-2 Level 4 (8K/15K)
Free Fall	0.5m
Certificate	
Security Certificate	CE, FCC, RoHS

Dimensions



Ordering Information

P/N	Description
TH-4G0102P	Unmanaged Industrial PoE Media Converter 1x1000Mbps SFP Port, 2x10/100/1000M RJ45 Port PoE
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