

TH-6G0101P

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



Overview

TH-6G0101P 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 $-40^{\circ}\text{C} \sim +75^{\circ}\text{C}$, 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 $-40^{\circ}\text{C} \sim +75^{\circ}\text{C}$
- DC48V-58V input
- CSMA/CD protocol
- Automatic source address learning and aging

Specifications

Provider Mode Ports

Fixed Port 1*10/100/1000Mbps Ethernet PoE Port, 1*1000Mbps SFP Port

Power Interface Phoenix terminal, Dual power input

LED Indicators PWR, OPT, NMC, ALM

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

PoE Support

PoE Port 1

PoE Standard IEEE 802.3af, IEEE 802.3at

Pin Assignment 1, 2, 3, 6

Input Voltage DC48-58V input

Total Power Consumption <36W

Layer 2 Switching

Switching Capacity 14Gbps

Packet Forwarding Rate 10.416Mpps

MAC Address Table 8K

Buffer 1M

Forwarding Delay <5us

MDX/MIDX Support

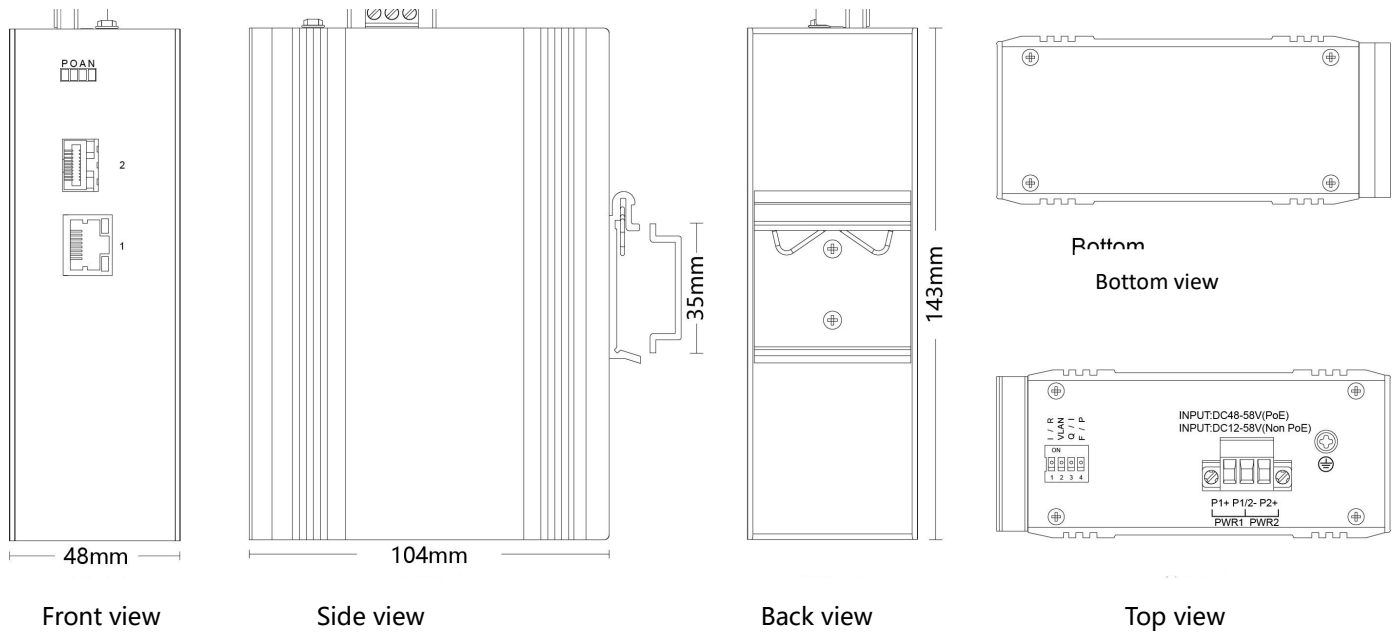
Jumbo Frame Support 10K bytes

Port Isolation Support

DIP Switch

1 I/R	Remote PD Reset
2 VLAN	VLAN
3 Q/I	Port Isolation
4 F/P	VIP Power Supplying & QoS
Environment	
Operating Temperature	-40°C~+75°C
Storage Temperature	-40°C~+85°C
Relative Humidity	10%~95% (non-condensing)
Thermal Methods	Fanless design, natural heat dissipation
MTBF	100,000 hours
Mechanical Dimensions	
Product Size	143*104*48mm
Installation Method	Din-Rail
Net Weight	0.6KGs
EMC & Ingress Protection	
IP Level	IP40
Surge Protection of Power	IEC 61000-4-5 Level X (6KV/4KV) (8/20us)
Surge Protection of Ethernet Port	IEC 61000-4-5 Level 4 (4KV/4KV) (10/700us)
RS	IEC 61000-4-3 Level 3 (10V/m)
EFI	IEC 61000-4-4 Level 3 (1V/2V)
CS	IEC 61000-4-6 Level 3 (10V/m)
PFMF	IEC 61000-4-8 Level 4 (30A/m)
DIP	IEC 61000-4-11 Level 3 (10V)
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-6G0101P	Unmanaged Industrial PoE Media Converter 1x1000Mbps SFP Port, 1x10/100/1000M RJ45 Port PoE
TH-6G0101	Unmanaged Industrial Media Converter 1x1000Mbps SFP Port, 1x10/100/1000M RJ45 Port