Description

The ITP-802GT-8PH24 has 8 10/100Base-TX M12 D-code Ethernet ports and 2 Gigabit M12 X-code ports. Designed for heavy industrial, vehicle and rolling stock applications, utilizing M12 connectors to ensure secure connections and reliable operation, and withstand environmental disturbances such as vibration and shock. 24VDC power input design, compatible with vehicle battery power supply, realizes PoE function through voltage boosting. EN50155 certification covers operating temperature, mains input voltage, surge, ESD, vibration and shock, making the switch suitable for vehicle, rolling stock applications.

Fratures

- Use M12 connector anti vibration and shock for vehicle, rolling stock, and railway applications
- Regulated PoE output voltage (53VDC) to stabilize PoE device, and guarantee delivery PoE power distance to 100 meters
- Wide operating temperature -40~75° C
- CE, FCC, EN51055, EN50121-4 and EN45545-2 for railway certified
- Industrial Grade EMS, EMI, EN61000-6-2, EN61000-6-4 certified

Specifications

Model	ITP-802GT-8PH24
IEEE Standard	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3ab 1000Base-T Gbit/s Ethernet over twisted pair IEEE 802.3x flow control, back pressure flow control IEEE 802.3af PoE (Power over Ethernet) IEEE 802.3at PoE+ (Power over Ethernet enhancements)
Switch Architecture	Back-plane (Switching Fabric): 5.6Gbps (Full wire-speed)
Data Processing	Store and Forward
Flow Control	IEEE 802.3x flow control, back pressure flow control
MAC Address Table	4 K
Packet Buffer Size	448Kbits
Network Connector	8x M12 D-code Female 10/100Base-TX Auto negotiation speed 2x M12 X-code Female 10/100/1000Base-TX Auto negotiation speed Auto MDI/MDI-X function Full/Half duplex
Network Cable	UTP/STP Cat. 5e cable above EIA/TIA-568 100-ohm (100meter)
Protocols	CSMA/CD
LED	System: Power 1 (Green) Per: Link/Active (Green) PoE: ON (Green)
Reverse Polarity Protection	Present for power input
Overload Current Protection	Supported
PoE Standard	IEEE 802.3af, IEEE 802.3at
PoE Power Budget	Maximum PoE output power budget 120W (30W/per port)
Power Supply	Provides 1x M23 (5-Pin, male) for DC 24/48V (20~57VDC) input power Built-in very high efficiency (97~98%) to boost PoE output voltage to 53VDC Regulate PoE output voltage (53VDC) to stabilize PoE device, and guarantee delivery PoE power distance to 100 meters
Power Consumption	Input Voltage / Total Power Consumption / Device Power Consumption / PoE Budget / Boost Efficiency 24 VDC / 125W / 3.6W / 120W / 98% 48 VDC / 127W / 4.3W / 120W / 97%
Operating Temperature	-10°C~ 60°C (ITP-802GT -8PH24)

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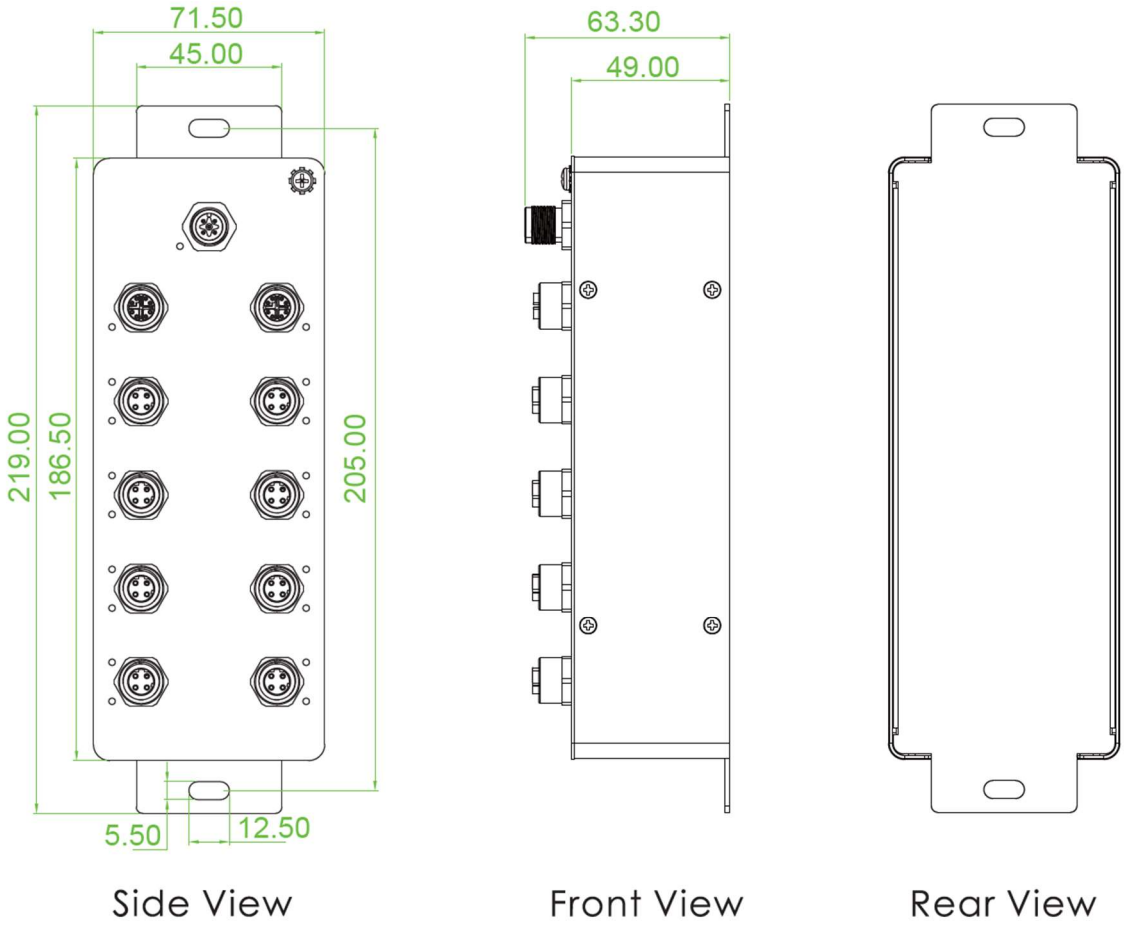
	- 40°C~75°C (ITP-802GT -8PHE24)
Operating Humidity	5% to 95% (Non-condensing)
Storage Temperature	-40°C~85°C
Housing	Rugged metal, IP30 protection housing, and fanless
Dimensions	63.3 x 71.5 x 219mm (D x W x H)
Weight	0.8kg
Installation Mounting	Wall mounting
MTBF	531,231 Hours (MIL-HDBK-217)
Warranty	5 years

Mechanical Dimensions



Note : All information contained in this document is subject to change without notice.