Model: UT-6408GC POE

(Product Name: 8-port unmanaged gigabit POE ethernet switch)

User Manual

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1.Overview

UT-6408GC POE is an 8-port unmanaged gigabit POE Ethernet switch that supports power over Ethernet for IEEE 802.3af/at devices (PD) through its 8 Gigabit Ethernet ports, eliminating the need for additional wiring. It offers DC input reverse protection to prevent damage to the instrument. The compact design of the switch allows for easy installation and it supports both industrial standard rail-mounted and wall-mounted installations, making it suitable for use in any industrial network.

The product provides three operating modes: extension, standard, and VLAN mode, and provides POE watchdog function and POE power limit function, specially designed to solve the problem of device crashes in engineering, and automatically restarts dead devices.

2. Major Functions & Features

- Adopt high-quality photoelectric integration module to provide good optical and electrical characteristics, ensuring reliable data transmission and long service life.
- Support full-duplex or half-duplex mode, and have automatic negotiation capability.
- 10/100/1000Mbps automatic adaptation.
- The network port supports fully automatic crossover identification without manual operation of switches.
- Plug and play, easy to use.
- Operating temperature: -40-70℃
- Voltage input: 12/24/48VDC (10.8~52.8VDC)

3. Technical parameters

Standards

IEEE 802.3af/at for POE

IEEE 802.3 10Base-T

IEEE 802.3u 100Base-T(X)

IEEE 802.3ab 1000Base-T

IEEE 802.3x

Interfaces

Ethernet interfaces: 8 Gigabit RJ-45 ports (with POE output function), supporting 10/100/1000Base-T

LED indicators: power indicator, RJ45 indicator, POE indicator

POE power supply mode: + (1,2) pins, - (3,6) pins

Switching performance

Forwarding rate: 1488095pps

Transmission mode: Store-and-forward

MAC address space: 4K

Cache space: 1Mb

Backplane bandwidth: 16G

Maximum frame length: 10KB

Power requirements

Input voltage: 46~57VDC, redundant dual power input

Interface terminal: 1 pluggable 5-pin terminal block

Overload protection: provided

Reverse connection protection: provided

Power consumption

Single POE network interface can reach 30W, and the total power consumption does not exceed 125W.

Button function

VLAN mode: when enabled, ports 1-7 of the device are isolated from each other and communicate with port 8 to prevent broadcast storms; when disabled, all ports can communicate with each other.

CCTV mode: the downstream port is self-negotiated with a speed reduction of 10M, and the effective transmission distance can reach 250 meters, suitable for long-distance monitoring power supply.

POE LIM mode: POE power limit, the power of each port is limited to 30W (for IEEE802.3at power supply models). If it exceeds 30W, the end device power supply for this port is terminated; if it exceeds the whole machine POE power, it is powered by priority ports, with the power supply priority order being highest for port 1 and decreasing in order of priority.

POE WDT (watchdog) mode: The switch automatically detects the working condition of the PD device end. If an exception is found, the switch will automatically restart the PD device.

Mechanical characteristics

Shell: IP40 protection level

Installation method: rail-mounted or wall-mounted installation

Mechanical dimensions

Size (W x H x D): 37mm x 150mm x 100mm

Packing size: 250mm x 205mm x 55mm

Weight: 677g

Operating environment

Operating temperature: -40-70℃

Storage temperature: -40℃～85℃

Relative humidity: 0～95% (non-condensing)

Industry standards

EMI

FCC Part 15, CISPR (EN55022) class A

EMS:

IEC(EN)61000-4-2(ESD)

IEC(EN)61000-4-3(RS)

IEC(EN)61000-4-4(EFT)

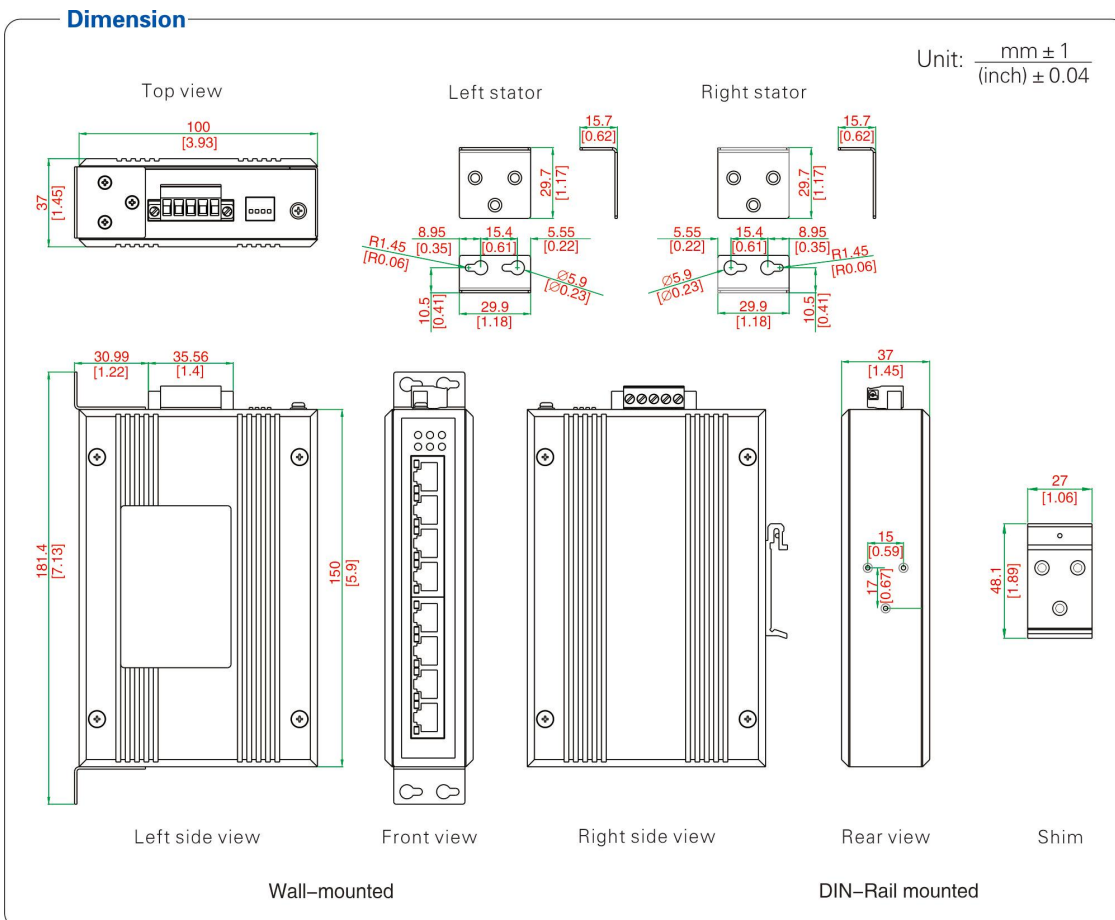IEC(EN)61000-4-5(Surge)

IEC(EN)61000-4-6(CS)

IEC(EN)61000-4-8

IEC 60068-2-27(Shock)

IEC 60068-2-32(Freefall)

4. Appearance

5.Structure dimensions

6. Orderings

Model	port	
	10/100/1000Base-T	
UT-6408GC-POE	8 ports	