Model: UT-6405GCA POE Series

(Product Name: 5-Port Full Gigabit Unmanaged POE Ethernet Switch)

Datasheet

Overview

UT-6405GCA POE Series is a 5-port unmanaged Gigabit Ethernet switch, which supports 4 POE(IEEE 802.3af/at) ports. It also supports reverse polarity protection. The industrial standard DIN-rail/wall mounting design makes it easy to install in any industrial network applications. The switch offers three working modes: Extend, Standard, and VLAN mode, it also supports POE watchdog function and POE power consumption limitation function. All these solve the problem of device clash when working or restart.

Feature

- 4* Gigabit POE ports(IEEE 802.3af/at)
- Full-duplex or half-duplex mode, auto-negotiation
- 10/100/1000Mbps, auto-MDI/MDI-X
- Plug and play, easy to use
- Wide voltage input: 48VDC (46~57VDC)
- Operating temperature: -40℃ to 75℃

Specification

Standard

IEEE 802.3 af/at

IEEE 802.3 10Base-T

IEEE 802.3u 100Base-T(X)

IEEE 802.3ab 1000Base-T

IEEE802.3x

Interface

RJ-45 port: 5* 10/100/1000Base-T, ports 1-4 support POE function

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

LED indicator: PWR, RJ-45, POE indicators

Switch property

Forwarding rate: 1,488,095pps

Transmission mode: Store-and-forward

MAC address space: 2K

Cache size: 1Mb

Switching bandwidth: 10G

Maximum frame length: 16KB

Power requirement

Input voltage: 48VDC (46~57VDC)

Interface terminal: 1 pluggable 3-pin

Overload protection: Support

Reverse polarity protection: Support

Power consumption

Single POE port up to 30W, total power consumption not exceed to 60W

DIP function

VLAN mode: ports 1-4 are isolated from each other and can only communicate with the uplink port; network storm suppression; flow control is disabled.

CCTV mode: downlink port self-negotiate with a speed reduction of 10M, with the farthest transmission distance of 250 meters.

POE LIM mode: POE power consumption limitation, each port is limited to 30W(IEEE802.3at powered model); while power over 30W, the port will stop to power for the PD; while exceed to the full load POE power consumption, there is priority on power: 4th port is the top priority, and then 3rd port, 2nd port, 1st port.

POE WDT mode: the switch auto-detect the PD working status, and will restart the PD device if in abnormal status.

Mechanical characteristic

IP rating: IP40

Installation: DIN-Rail\Wall-mounting

Dimension(W x H x D): 125mmx30mmx90mm

Packaging dimension

250mmx205mmx55mm

Operating environment

Operating temperature: -40℃ ~ 75℃

Storage temperature: -40℃ ~ 85℃

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

Industrial standard

EMI: FCC Part 15 Subpart B classA, 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)

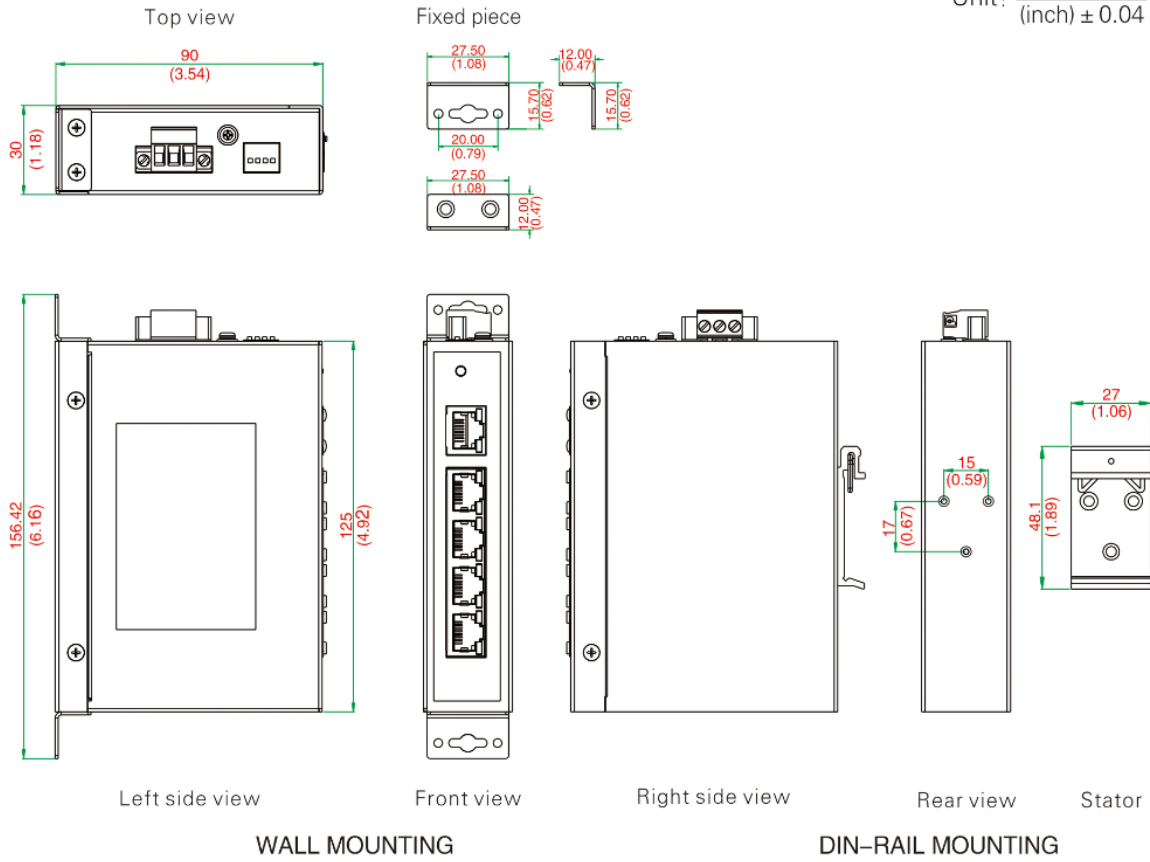IEC(EN)61000-4-8

IEC 60068-2-27(Shock)

IEC 60068-2-32(Freefall)

IEC 60068-2-6(Vibration)

Dimension

Dimension

Top view

Fixed piece

Unit: $\frac{mm \pm 1.0}{(inch) \pm 0.04}$

90
(3.54)

30
(1.18)

27.50
(1.08)

12.00
(0.47)

15.70
(0.62)

15.70
(0.62)

20.00
(0.79)

27.50
(1.08)

12.00
(0.47)

156.42
(6.16)

125
(4.92)

15
(0.59)

17
(0.67)

27
(1.06)

48.1
(1.89)

Left side view

Front view

Right side view

Rear view

Stator

WALL MOUNTING

DIN-RAIL MOUNTING

Ordering

Model No.	Interface		Fiber port
	10/100/1000Base-T	1000Base-X	
UT-6405GCA-POE	5	-	-