

Model: UT-6406GC

(Product Name: 6-port unmanaged gigabit ethernet switch)

User Manual



UTEK TECHNOLOGY (SHENZHEN) CO., LTD.

Add: Room 1001, Building 7, Skyworth Innovation Valley, No. 8, Tangtou No.1 Road,
Shiyan Old Street, Bao'an District, Shenzhen

Tel: +86-755-81202008

Fax: +86-755-27886083

Http: www.uotek.com

1. Overview

UT-6406GC series is a non-managed full Gigabit Ethernet switch, supporting 2 gigabit fiber interfaces and 4 gigabit Ethernet ports, plug and play. This series of switches adopts low power consumption and fanless design to ensure no noise interference. It also supports a working temperature of -20~70 °C and has good EMC electromagnetic compatibility performance, ensuring stable operation in harsh industrial environments. It provides a secure and reliable solution for quickly and stably connecting network terminals in various industrial applications such as factory automation, intelligent transportation, and video surveillance. The product offers three operating modes: Extend, Standard, and VLAN mode, adapting to various complex application environments.

2. Major Functions & Features

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

3. Technical parameters

Standards

IEEE 802.3, IEEE 802.3u, IEEE 802.3z, IEEE 802.3ab, IEEE 802.3x

Interfaces

Fiber interface: 1000Base-X port (SC/FC/ST/SFP slot)

RJ45 interface: 10/100/1000Base-T port, MDI/MDI-X adaptive

Transmission distance

Category 5 twisted pair: 100m

Fiber jumper:

Single-mode: 1310nm 20/40/60Km, 1550nm 80/100/120Km

Multi-mode: 1310nm 2Km

Switching performance

Forwarding rate: 1488095pps

Transmission mode: Store-and-forward

MAC address space: 4K

Cache space: 1Mb

Backplane bandwidth: 12G

Maximum frame length: 10KB

Power requirements

Input voltage: 12/24/48VDC(10.8~52.8VDC)

Power consumption: 180mA@24Vmax (for detailed power consumption of the product, please refer to the product

label)

Operating modes

Extend mode: ports 1-4 self-negotiate with a speed reduction of 10M, with the farthest transmission distance of 250 meters.

Standard mode: ordinary switch mode.

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

Mechanical characteristics

Shell: IP40 protection level

Installation method: rail-mounted/wall-mounted installation

Dimensions (W x H x D): 150mmx37mmx100mm

Packing size: 250mmx205mmx55mm

Weight: 683g

Operating environment

Working temperature: -20°C~70°C

Storage temperature: -40°C~85°C

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

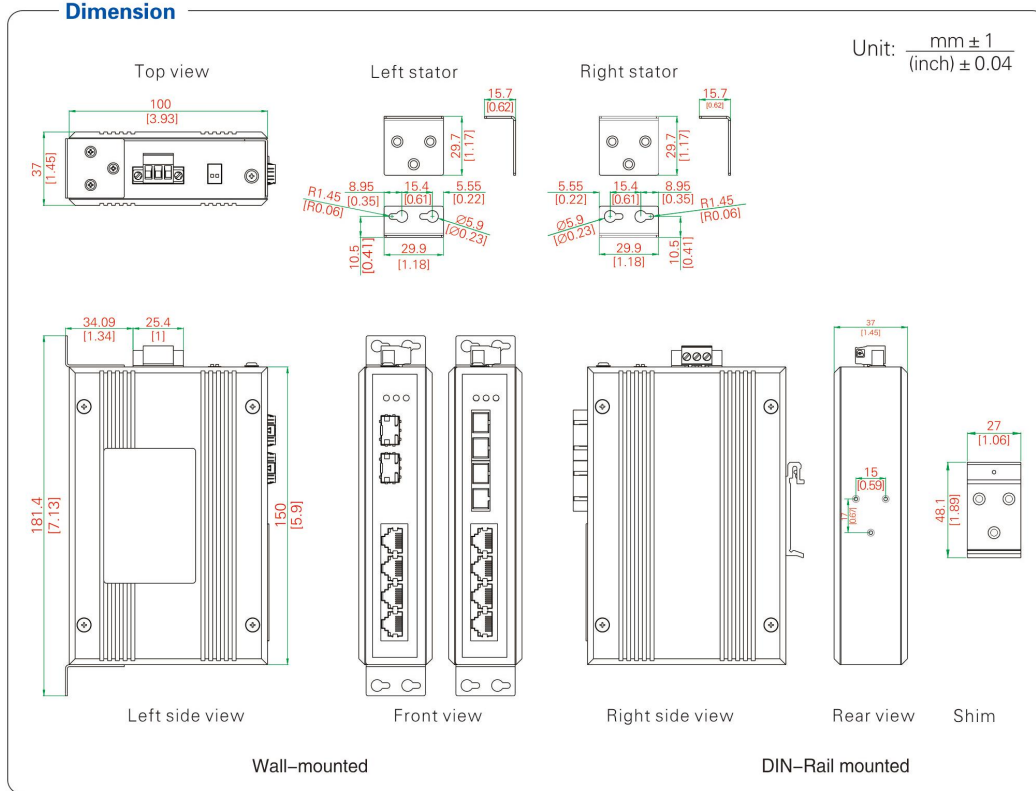
IEC 60068-2-27(Shock)

IEC 60068-2-32(Freefall)

4. Appearance



5. Structure dimensions



6. Orderings

Model	Interface description		Optical port type	
	1000Base-X	10/100/1000Base-T	100Base-FX	1000Base-X
UT-6406GC-4GT2GSC	2	4	-	SFP slot
UT-6406GC-4GT2GP	2	4	-	SC optical port

Note:

1. The fiber optic port type of the above products is default to single mode dual fiber SC interface/SFP slot, and ST/FC interface is also available. For more configurations, please contact the sales department.