

## UT-6405GM-POE

### Gigabit Managed POE Ethernet Switch



## UT-6405GM-POE Series

5-port Gigabit Managed POE Unmanaged Ethernet Switch



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- Support 4 ports Gigabit POE (IEEE802.3af/at)
- High-quality opto-electronic integrated module provides good optical and electrical characteristics to ensure reliable data transmission and long lifecycle
- Support full-duplex or half-duplex mode with auto-negotiation capability
- Auto-10/100/1000Mbps
- Network port supports fully automatic recognition, no need to manually operate the switch
- Plug-and-play for easy access
- Operating temperature: -40-75°C
- Voltage input: 48VDC (46-57V), redundant dual power input



## OVERVIEW

UT-6405GM POE series managed full Gigabit industrial Ethernet switch contains 5 Gigabit interfaces, support 4 10/100/1000Base-T and 1 optical optional, 4 10/100/1000Base-T support IEEE802.3af/at (POE). Each POE port can provide up to 30W of power to connected devices (such as surveillance cameras, wireless access points, and IP phones) when AC power is inconvenient or limited by other factors.

UT-6405GM POE series Ethernet switches are highly flexible and can transmit data over long distances via fiber optic ports. The series switches support multiple management functions (CLI/Web/Console port, etc.), expandable backbone network structure and Power over Ethernet, and high EMI resistance to ensure stable operation in harsh industrial environments, providing greater advantages for industrial applications such as industrial automation, intelligent transportation, and video surveillance.

## SPECIFICATION

### Protocol Standards

Standards: IEEE 802.3af/at, IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3ab, IEEE802.3z, IEEE802.1Q, IEEE802.1p, IEEE802.1D, IEEE802.1W, IEEE802.1s, IEEE802.3ad, IEEE802.1x  
 Protocols: ARP, ICMP, TCP, HTTP, HTTPS, Telnet, STP/ RSTP/ MSTP, LLDP, IGMP, SNMPv1/v2c/v3. DHCP Server, NTP, RMON, Syslog  
 Flow control: IEEE802.3x flow control, backpressure flow control

### Interfaces

Fiber optic interface: 1000Base-X (SC/FC/ST/SFP slots)  
 RJ45 interface: 10/100/1000Base-T, support 4 POE output  
 POE pins: V+, V+, V-, V- corresponding to the array of pins 1,2,3,6 (default)

### Transmission Distance

Cat.5e: 100m  
 Fiber Optic Module  
 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 size: 1K  
 Cache size: 1Mb  
 Backplane bandwidth: 12G  
 Max. frame length: 10KB

### LED indicator light

power indicator, optical port indicator, RJ-45 indicator Alarm indicator, operation indicator, POE indicator

### Power Requirement

Voltage input: 48VDC(46-57V),redundant input  
Interface terminal: 1 pluggable 6 pin terminal block

### Consumption

Max. consumption power for each port about 30 W, total power consumption no more than 80W.

### Mechanical Characteristics

IP protection level: IP40  
Installation: DIN-Rail /Wall Mounted

### Operating Environment

Operating temperature: -40~75°C  
Storage temperature: -40~85°C  
Relative humidity: 0~95% (non-condensing)

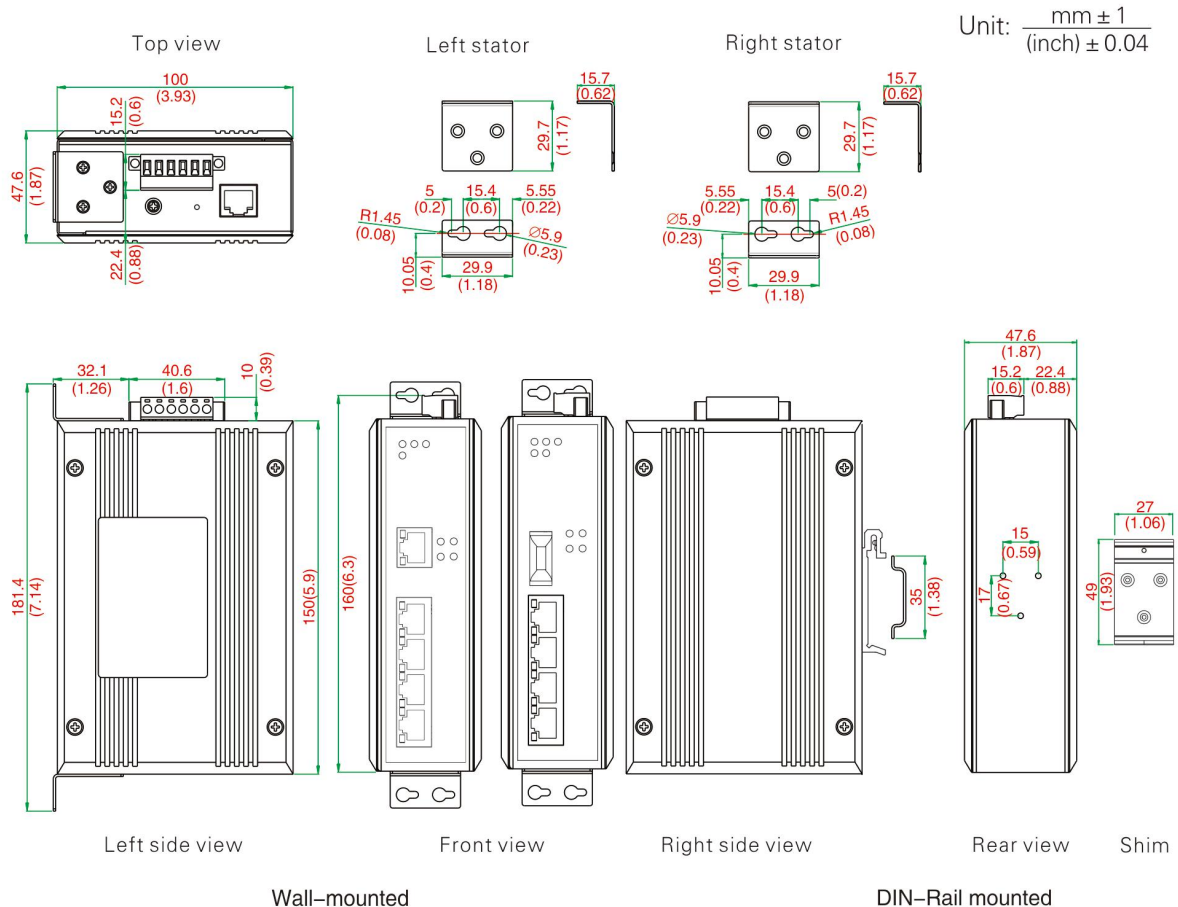
### Mechanical Dimension

Dimension (W x H x D): 150mm x 47.6mm x 100mm  
Package dimension: 250mm x 205mm x 55mm  
Weight: 830g

### Industrial 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)  
IEC 60068-2-6(Vibration)

### Dimension



ORDER INFORMATION

| Model                 | Interface description |            | Optical port type |
|-----------------------|-----------------------|------------|-------------------|
|                       | 10/100/1000Base-T     | 1000Base-X |                   |
| UT-6405GM-4GT1GP-POE  | 4                     | 1          | SFP slot          |
| UT-6405GM-4GT1GSC-POE | 4                     | 1          | SC                |
| UT-6405GM-POE         | 5                     | -          | -                 |