UT-6428M-POE

100M Gigabit Managed POE Ethernet Switch

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8+2G Gigabit Managed POE Ethernet Switch

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

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- Support 8 POE ports
- Support Ethernet port and optical port (support ST/FC/SC/SFP interface type)
- Support IGMP Snooping to filter multicast packets
- Support IEEE 802.1 Q VLAN for easy network planning
- Support QoS (IEEE 802.1 p/1 Q) and TOS/DiffServ to increase network stability
- Support STP/RSTP and MSTP network redundancy and SNMPv1/v2/v3 to ensure network security management
- Support UT-Ring ring function
- Support IEEE802.1x
- Supports link aggregation to optimize network bandwidth
- Support Access Control List (ACL) to enhance flexibility and network management security
- Support port mirroring function for online debugging
- Support port speed limit, broadcast storm suppression, multicast storm suppression, and unknown unicast storm suppression to ensure network stability
- Support power, port and UT-Ring abnormal state relay output alarm function
- Operating temperature: -40~75°C

OVERVIEW

The UT-6428M POE series managed Gigabit industrial Ethernet switch supports 8 10/100BaseT(X) Ethernet ports (IEEE802.3af/at(POE) compatible) and 2 1000Base-X ports. Each POE port can be provided to connected devices such as surveillance cameras, wireless access points and IP phones when power supply is inconvenient or limited by other factors. With high immunity to electromagnetic interference, it ensures stable operation in harsh industrial environments and provides greater advantages for industrial automation, intelligent transportation, video surveillance and other industrial applications.

SPECIFICATION

Protocol Standards

Standards: IEEE 802.3af/at, IEEE802.3, IEEE802.3u, IEEE802.3x, 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

Switching Performance

100M Forwarding rate: 148810pps

1000M Forwarding rate: 1488095pps

Transmission mode: store and forward

MAC address size: 8K

Cache size: 1Mb

Backplane bandwidth: 7.6G

Max. frame length: 1632B

Transmission Distance

Cat.5e: 100m

Fiber Optic Module

Single-mode: 1310nm 20/40/60Km

1550nm 80/100/120Km

Multi-mode: 1310nm 2Km

Interfaces

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

RJ45 interface: 10/100Base-T (X) port, support POE output

POE pins: V+ ,V+, V-,V- corresponding to pins 1,2,3,6 (default)

LED indicators: power indicator, optical port indicator, RJ45 indicator, alarm indicator, operation indicator, POE indicator

Power Requirement

Voltage input: 48VDC(46-57V),redundant input,support reverse connection protection

Interface terminal: 1 pluggable 6-pin terminal block

Consumption

Max. consumption power for each port about 30 W, total power consumption no more than 150W.

Mechanical Characteristics

IP protection level: IP40

Installation: DIN-Rail /Wall Mounted

Mechanical Dimension

Dimension (W x H x D): 150mm x 47.6mm x 100mm

Package dimension: 250mm x 205mm x 55mm

Weight: 960g

Operating Environment

Operating temperature: -40~75℃

Storage temperature: -40~85℃

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

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)
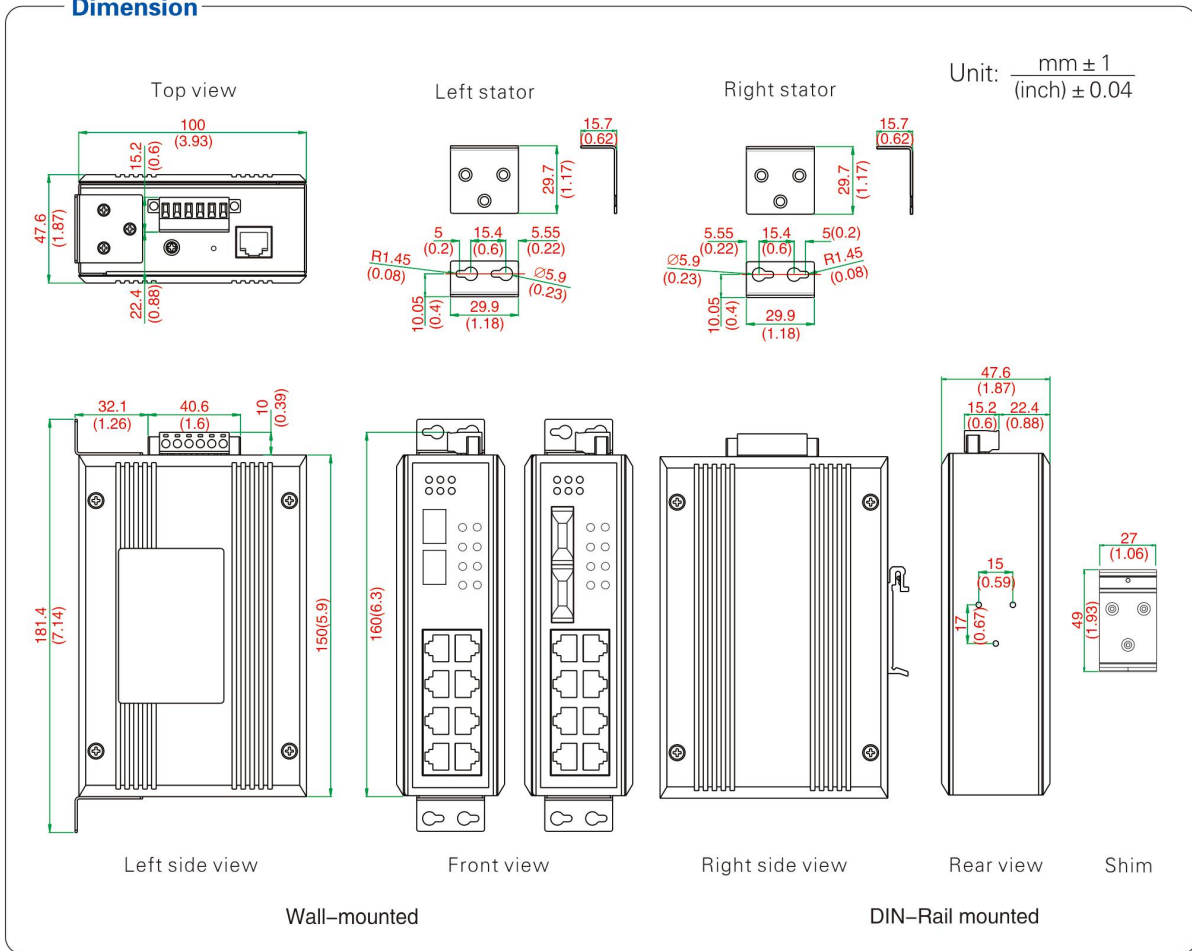
IEC(EN)61000-4-8

IEC 60068-2-27(Shock)

IEC 60068-2-32(Freefall)

IEC 60068-2-6(Vibration)

Dimension

Top view

Left stator

Right stator

Unit: $\dfrac{mm \pm 1}{(inch) \pm 0.04}$

100 (3.93)
15.2 (0.6)
47.6 (1.87)
22.4 (0.88)

15.7 (0.62)
29.7 (1.17)

5 (0.2) 15.4 (0.6) 5.55 (0.22)
R1.45 (0.08) Ø5.9 (0.23)
10.05 (0.4) 29.9 (1.18)

15.7 (0.62)
29.7 (1.17)

5.55 (0.22) 15.4 (0.6) 5 (0.2)
Ø5.9 (0.23) R1.45 (0.08)
10.05 (0.4) 29.9 (1.18)

32.1 (1.26) 40.6 (1.6) 10 (0.39)
181.4 (7.14)
150 (5.9)
160 (6.3)

47.6 (1.87)
15.2 (0.6) 22.4 (0.88)
15 (0.59)
17 (0.67)

27 (1.06)
49 (1.93)

Left side view

Front view

Right side view

Rear view

Shim

Wall–mounted

DIN–Rail mounted

ORDER INFORMATION

Model	Interface description		Optical port type
	10/100Base-TX	100Base-X	
UT-6428M-8T-2GP-POE	8	2	SFP slot
UT-6428M-8T-2GSC-POE	8	2	SC
UT-6428M-8T-POE	8	-	-

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