DIN-rail Managed Industrial Ethernet Switches

UT-6406GM serial

4 Electrical Ports + 2 Optical Ports

Full Gigabit Managed Ethernet Switch

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- Support various combinations of Ethernet ports and optical ports (compatible with ST/FC/SC/SFP slot interface types)
- Support IGMP Snooping to filter multicast packets
- Support IEEE 802.1Q VLAN for easy network planning
- Support QoS (IEEE 802.1p/1Q) and TOS/DiffServ to increase network stability
- Support STP/RSTP and MSTP network redundancy and SNMPv1/v2v3 to ensure network security management
- Support link aggregation to optimize network bandwidth
- Support access control list (ACL) to enhance flexibility and network management security
- Support port mirroring function, which is convenient for online debugging
- Support port rate limit, broadcast storm suppression, multicast storm suppression, unknown unicast storm suppression, to ensure network stability
- Support power supply and port abnormal state relay output alarm function
- Support wide temperature operation, operating temperature range is -40~85℃

OVERVIEW

UT-6406GM series is a high-performance, cost-effective full-gigabit managed industrial Ethernet switch. In order to meet the different requirements of industrial applications, this series adopts a modular design, up to 2 Gigabit optical fiber ports and 4 Gigabit Ethernet electrical ports, which enhances the flexibility of network expansion. This series of switches supports port mirroring, VLAN, IGMP-Snooping, QoS, STP/RSTP/MSTP, ACL access control list and other rich Layer 2 software features and a series of practical management methods, such as Console, Telnet, Web, SNMP, etc. It can better provide safe and reliable solutions for building large-scale local area networks in industrial applications such as factory automation, intelligent transportation, and video surveillance.

SPECIFICATION

Protocol standard

EEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3z, IEEE802.3ab, IEEE802.1Q

IEEE802.1p, IEEE802.1D, IEEE802.1W, IEEE802.1s, IEEE802.1x,

IEEE802.3ad

Protocol: ARP, ICMP, TCP, HTTP, HTTPS, Telnet, STP/RSTP/MSTP, LLDP,

IGMP, SNMPv1/v2c/v3, ERPS, DHCP Server, NTP, Syslog

Flow control: IEEE802.3x flow control, back pressure flow control

Interface

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

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

Power Requirements

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

Power consumption: 200mA@24Vmax

Mechanical characteristics

Shell: IP40 protection grade

Weight: no more than 1600g

Installation method: rail type installation

Mechanical Dimensions

Dimensions (W×H×D): 150mm×37mm×100mm

Package dimensions:250mmx205mmx55mm

LED indicator: PWR power indicator, Fail power failure indicator,

RUN running indicator, network indicator

Transmission distance

Super five twisted pair: 100m

Patch Cord

Single mode: 1310nm 20/40/60Km

1550nm 80/100/120Km

Multimode: 1310nm 2Km

Switching performance

Forward rate: 1488095pps

Transport Mode: Store and Forward

MAC address: 1K

Cache: 1Mb

Backplane bandwidth: 12G

Maximum frame length: 10KB

Operating environment

Operating temperature: -40℃~85℃

Storage temperature: -40℃~85℃

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

Industry Standard

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)

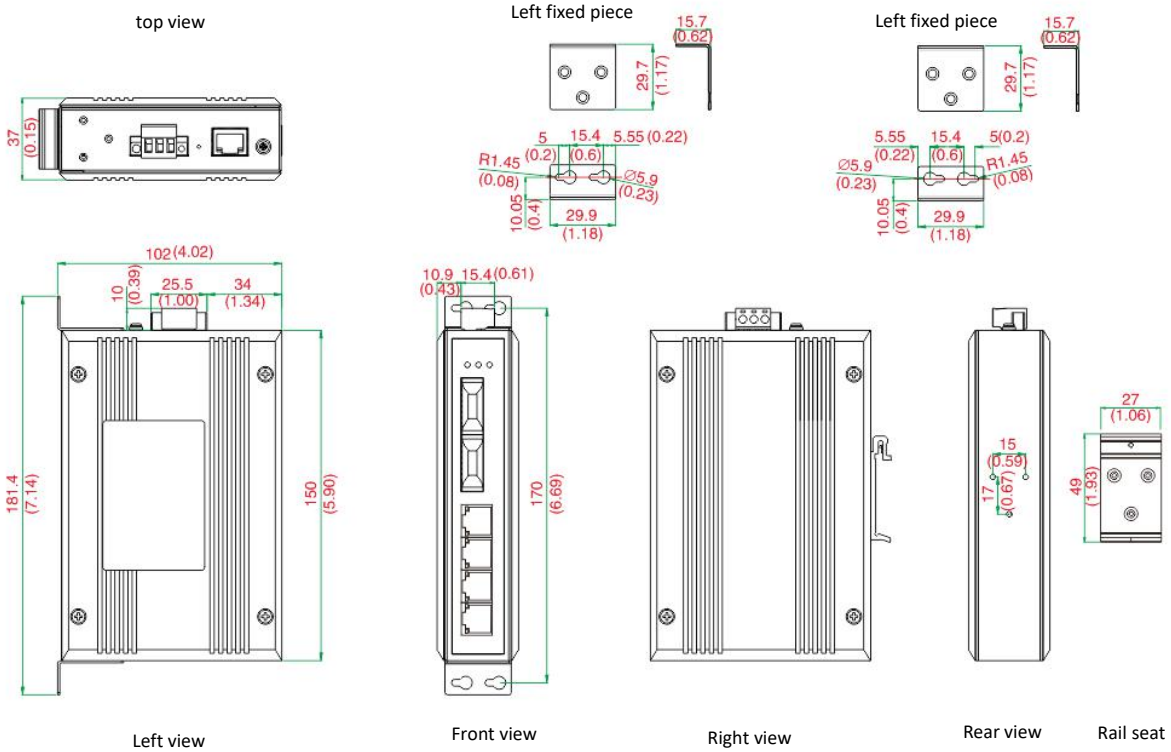
IEC 60068-2-27(Shock)

IEC 60068-2-32(Freefall)

IEC(EN)61000-4-8

Dimensions

Unit: mm ± 1 / (inch) ± 0.04



ORDERING

Model	Interface		Optical port
	1000Base-X	10/100/1000Base-T(X)	1000Base-X
UT-6406GM-4GT2GP	2 ports	4 ports	SFP optical port
UT-6406GM-4GT2GSC	2 ports	4 ports	SC slot