DIN-Rail Managed Industrial Ethernet Switch

UT-62010G Series

10-Port Full Gigabit Managed Ethernet Switch

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- Data control: support 802.3X full duplex flow control, support network storm suppression
- Redundant network: support STP/RSTP/MSTP, support UT-Ring ring function to ensure the stability of the network
- Multicast management: Support IGMP Snooping V1/V2/V3
- VLAN: Support IEEE 802.1Q VLAN, effectively isolate the broadcast domain
- Link aggregation: Support link static/dynamic aggregation to provide perfect bandwidth utilization
- QOS：Support COS\DSCP, 4 queues, support WRR\SP scheduling mode
- Security management: Support ACL access control list, support 802.1X, support user hierarchy management
- Management function：support CLI, WEB, SNMP management mode
- Monitoring and maintenance: support port mirroring, interface status monitoring, log management
- Alarm function: support power, port, UT-Ring abnormal state relay output alarm function

OVERVIEW

UT-62010G series is a managed industrial Ethernet switch, supporting 2 Gigabit optical ports and 8 Gigabit electrical ports, supporting 1 console port and providing CLI management; supporting Ethernet Layer 2 protocols required in industrial sites to ensure the stability of communication networks; this series switch adopts low power consumption and fanless design to ensure no noise interference, while supporting -40~85°C operating temperature With low power consumption and fanless design, it ensures no noise interference and supports -40~85°C operating temperature and good EMC performance to ensure stable operation in harsh industrial environment, providing a safe and reliable solution to build a fast and stable network terminal access network for industrial applications such as factory automation, intelligent transportation and video surveillance.

SPECIFICATION

Protocol Standards

IEEE 802.3, IEEE 802.3u, IEEE 802.3z, IEEE 802.3ab,
IEEE 802.1D , IEEE 802.1W, IEEE 802.1s , IEEE 802.3x , IEEE 802.1Q , IEEE 802.1p , IEEE 802.1x IEEE 802.1Q , IEEE 802.1p, IEEE 802.1x

Interfaces

Fiber optic interface: 1000Base-X port (SC/FC/ST/SFP slot)
RJ45 interface: 10/100/1000Base-T(X) port, auto-MDI/MDI-X
Console interface: RS-232 (RJ45)
LED indicators: P1, P2 power indicator, FAIL power failure light, the RUN indicator, G1, G2 fiber indicator, RJ-45 indicator

Transmission Distance

Cat.5e: 100m
Fiber Patch Cord
Single-mode: 1,310nm 20/40/60Km
1,550nm 80/100/120Km
Multi-mode: 1,310nm 2Km

Switching Performance

Forwarding rate: 1,488,095pps
Transmission mode: store and forward
MAC address size: 16K
Cache size: 2Mb
Backplane bandwidth: 22G
Max. frame length: 10KB

Power Requirement

Voltage input:

with optional 12/24/48VDC(10.8~52.8VDC) Redundant inputs

support reverse connection protection

Power consumption

Max. input power consumption 400mA@24Vmax

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

Weight: 850g

Packaging dimension: 250mm x 205mm x 55mm

Operating Environment

Operating temperature: -40 ~ 85 ℃

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)

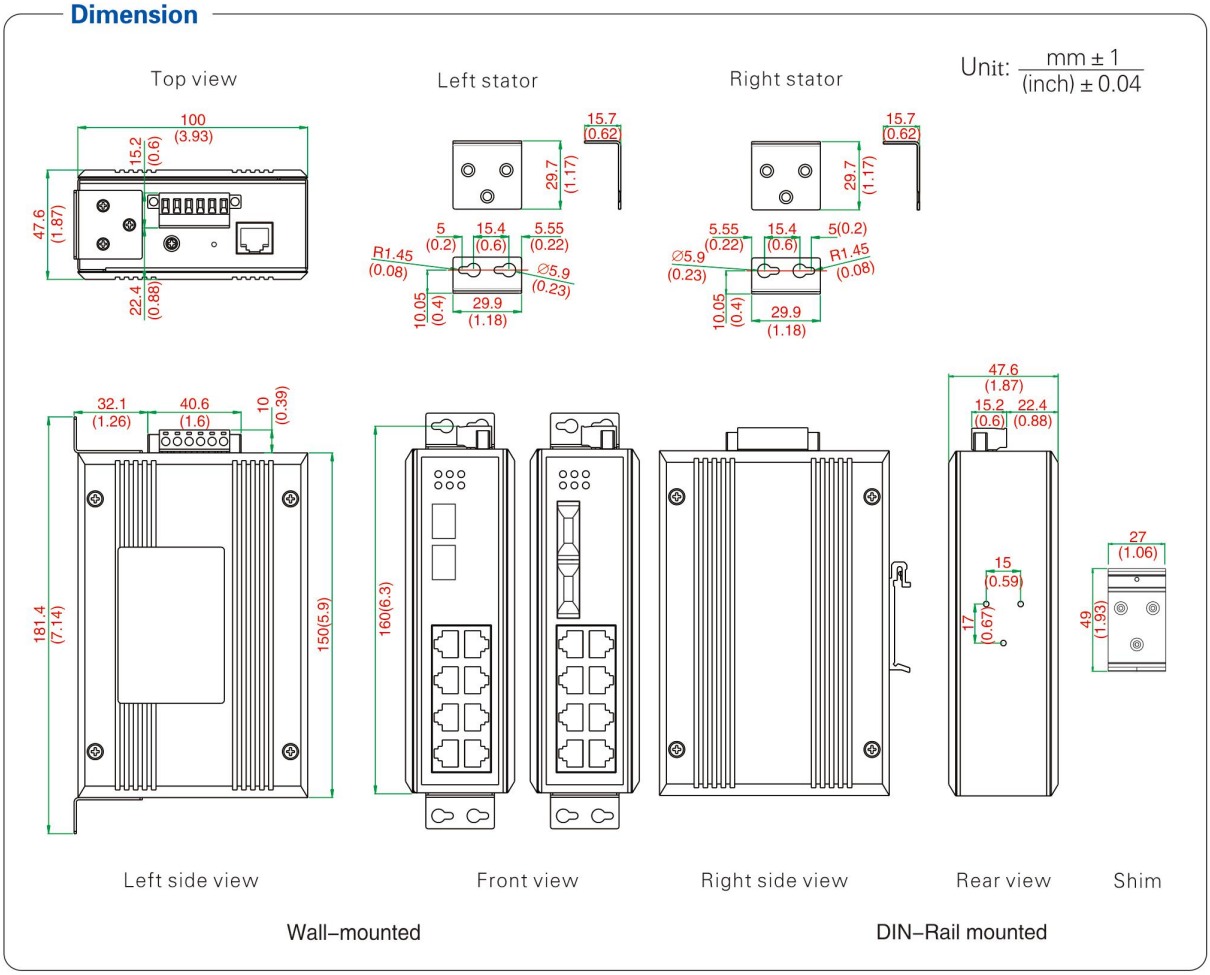
IEC(EN)61000-4-6(CS)

IEC(EN)61000-4-8

IEC 60068-2-27(Shock)

IEC 60068-2-32(Freefall)

Dimension



ORDERING

Model	Interface description		Optical port type
	1000Base-X	10/100/1000Base-T	1000Base-X
UT-62010G-8GT2GSC-MNF	2	8	SC
UT-62010G-8GT-MNF	-	8	-
UT-62010G-8GT2GP-MNF	2	8	SFP (slot）