DIN-Rail Managed Industrial Ethernet Switch

UT-62020G Series

20-Port Full Gigabit Managed Ethernet Switch

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- Supports multiple combination of fast Ethernet ports and fiber ports(SFP slot/ST/FC/SC)
- Supports IGMP Snooping filter multicast packets
- Supports IEEE 802.1Q VLAN
- Supports QoS(IEEE 802.1p/1Q) & TOS/DiffServ
- Supports STP/RSTP & MSTP network redundancy, SNMP v1/v2/v3
- Supports link aggregation
- Supports ACL
- Supports port mirroring function, convenient for online debug
- Supports port transmission rate limitation, broadcast storm/multicast storm/uncertain unicast storm suppression
- Supports layer 3 switching function (static route/Rip/OSPF/VRRP)
- Supports power, port abnormal status relay output alarm function
- Operating temperature: -40~85 °C

OVERVIEW

UT-62020G series are full Gigabit managed industrial Ethernet switches. It adopts modular structure design, supports up to up to 4 Gigabit fiber ports and 16 Gigabit RJ-45 ports. This series supports port mirroring, VLAN, igmp, QoS, stp/Rstp, ACL and other management, such as Console, Telnet, Web, SNMP, and relay alarm output; at the same time, it supports layer 3 switching technology(static route/Rip/OSPF/VRRP), this provides safe and reliable solution for industrial automation, intelligent transportation, video monitoring, and other industrial application networking access.

SPECIFICATION

Protocol Standards

Standards: IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3z, IEEE802.3ab, 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

Layer 3 switching technology: Static route, RIP V1/V2，OSPF，VRRP supports router redundancy

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

Interfaces

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

RJ-45 port: 10/100/1000Base-T, auto MDI/MDI-X

LED indicator :P1,P2Power, FAIL Power failure, Run and Network 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: 12Mb

Backplane bandwidth: 40G

Max. frame length: 9216B

Host unicast routing: 512 (IPv4), 256 (IPv6)

Segment unicast routing: 64 (IPv4/IPv6)

Power Requirement

Voltage input:

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

110/220VAC(88~264VAC)/50-60Hz or

110/220VDC(88~264VDC)

Supports redundant dual power input

Power consumption

Max. input power consumption 625mA@24Vmax

Mechanical Characteristics

IP protection level: IP40

Installation: DIN-Rail Mounted
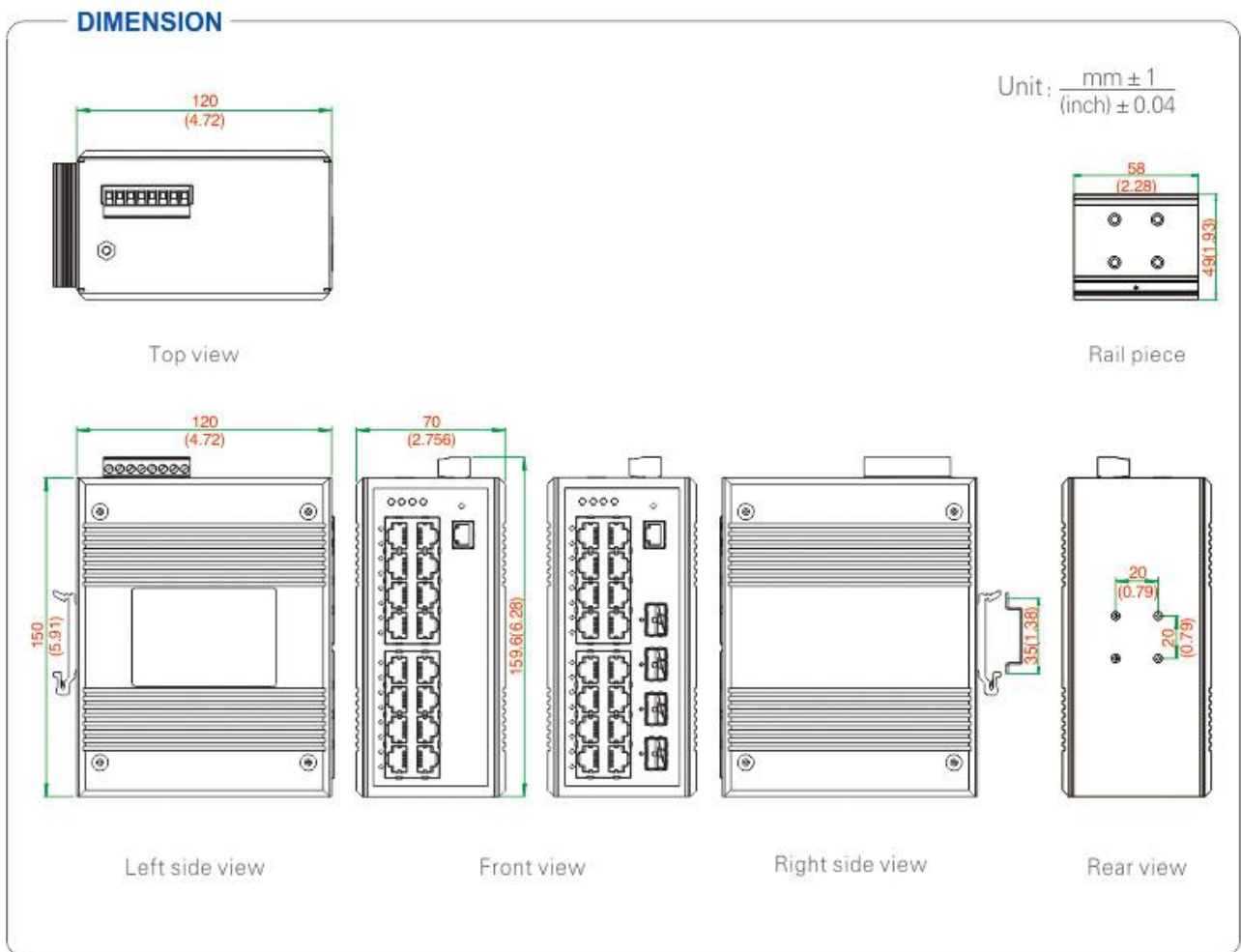
Mechanical Dimension

Dimension (W x H x D): 150mm x 70mm x 120mm

Weight: 1600g

Packaging dimension: 250mm x 205mm x 108mm

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

IEC60068-2-27(Shock)

IEC 60068-2-32(Freefall)

DIMENSION

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

120 (4.72)

Top view

58 (2.28)

49(1.93)

Rail piece

120 (4.72)

70 (2.756)

150 (5.91)

159.6(6.28)

35(1.38)

20 (0.79)

20 (0.79)

Left side view

Front view

Right side view

Rear view

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ORDERING

Model	Interface description		Optical port type
	1000Base-X	10/100/1000Base-T	1000Base-X
UT-62020G-16GT4GP-BNF	4	16	SFP
UT-62020G-16GT-BNF	-	16	-
UT-62020G-16GT4GSC-BNF	4	16	SC
UT-62020G-8GT-BNF	-	8	-
UT-62020G-8GT4GP-BNF	4	8	SFP
UT-62020G-8GT4GSC-BNF	4	8	SC

Remarks:

1. Single-mode dual-fiber SC port/SFP slot is a standard configuration for products above mentioned, with optional ST/FC

2. The suffix "F" in "BNF" means 12/24/48VDC（10.8~52.8VDC）power input;
   The suffix "D" in "BND" means 110/220VAC/DC（88~264VAC/DC）dual power input