DIN-Rail Managed Industrial Ethernet Switch

UT-62416F Series

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- Supports multiple combination of Ethernet ports and fiber ports (optional SC/ST/FC/SFP ports)
- Supports IGMP Snooping and GMRP filtering multicast packets
- Supports Port-based VLAN ports, IEEE802.1 D VLAN and GVRP protocols, simple network planning
- Supports QoS (IEEE802.1p1Q) and TOS/DiffServ to increase network reliability
- Support STP/RSTP, SNMPVI/23, ensure network security
- Improving network monitor predictive capabilities with RMON
- Support for UT-ring rings, including single and intersecting rings
- Support port speed limit, broadcast storm suppression, group interpolation storm suppression, unknown unicast storm suppression
- Support power, port, UT-mng and other abnormal state relay output alarm function

OVERVIEW

UT-62416F series is a managed industrial Ethernet switches that can be combined via Ethernet and fiber interfaces to provide up to 20 interface and up to 4 Gigabit interfaces, enhancing the flexibility of network design and applications. The switch supports rich Layer 2 software features such as port mirroring, VLAN, GMP Snooping, OoS, STP/RSTP and a series of practical management methods such as Console, Telnet, Web, SNMP and relay alarm output, etc., which are better for industrial applications such as factory automation, intelligent transportation and video surveillance to build fast and stable remote terminal access networks. Stable remote terminal access network to provide a safe and reliable solution.

SPECIFICATION

Protocol Standards

Standards: IEEE802, IEEE8023u, IEEE8023ab, IEEE802.3, lEEE802.3z, IEEE802.10, IEEE802.1p, IEEE802,1D, IEEE802.1W, |EEE802,1x

Protocol:CMP, TCP, HTTP, Telnet, UT-Ring, STP/RSTP, SNMP, LLDP, IGMP Snooping, GMRP

Flow control：IEEE8023X flow control, back pressure flow control

Interface

Fiber interface：100base-FX interface (SC / FC / ST)
1000base-X interface (SC / FC / ST / SFP slot)

RJ45 interface：10 / 100BASE-T (X) interface , auto-MDI / MDI-X

LED indicator light： Power indicator light, power failure light, network indicator light, running indicator light

Transmission distance

Cat.5e：100m

Patch cord

Single-mode：1310nm 20/40/60Km
1550nm 80/100/120Km

Multi-mode：1310nm 2Km

Switching Performance

Forwarding rate

100Base network interface: 148810pps

Gigabit network interface:1488095pps

Transmission mode: store and forward

MAC address size: 8K

Cache size: 3Mb

Backplane bandwidth:11.2G

Power Requirement

Voltage input: Optional 12/2448VDC10.8-52.8DC) and 110/220VACI88-264VACM50-60HZ or 110/220 VDC (88~264VDC supports redundant dual power input

Power Consumption

Max.Input power consumption 830mA@24Vmax (refer to production label for detailed power consumption of the product)

Mechanical Characteristics

IP protection level: IP40

Weight: <1.5kg

Installation: DIN-Rail-mounting

Mechanical Dimension

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

Package 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)

IECIEN)61000-4-4(EFT)

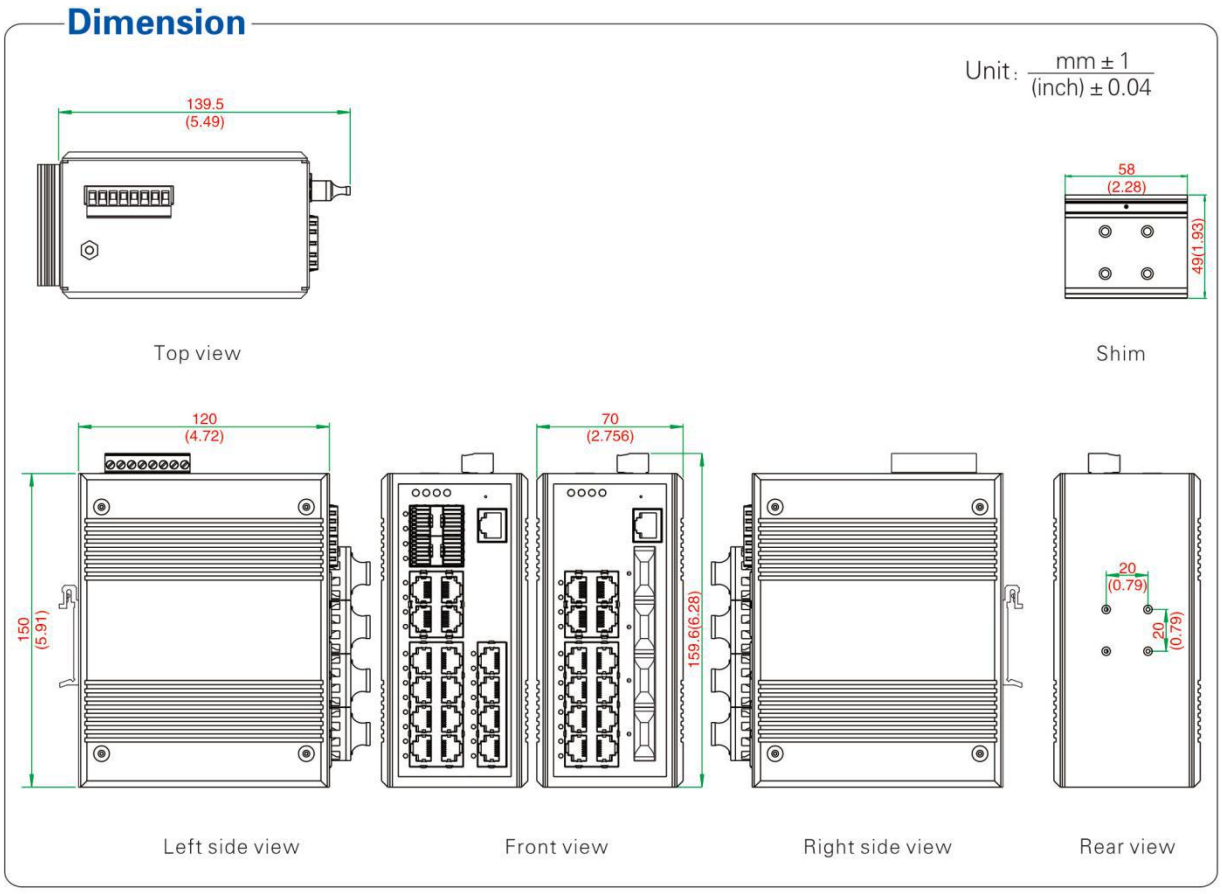
IEC(EN)61000-4-5(Surge)

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

IEC(EN)61000-4-8

IEC 60068-2-27(Shock)

IEC 60068-2-32(Freefall)



ORDER INFORMATION

Model	Interface description				Optical port type	
	100Base-FX	1000Base-X	10/100Base-(T)X	10/100/1000-T	100Base-FX	1000Base-X
UT-62416F-16T-BNF	-	-	16	-	-	-
UT-62416F-12T4SC-BNF	4	-	12	-	SC	-
UT-62416F-16T-4GP-BNF	-	4	16	-	-	SFP
UT-62416F-12T4SC-4GP-BNF	4	4	12	-	SC	SFP
UT-62416F-20T-BNF	-	-	20	-	-	-
UT-62416F-16T-4GSC-BNF	-	4	16	-	-	SC
UT-62416F-16T-4GT-BNF	-	-	16	4	-	-

Remark

1.The default optical port type of the above products is single-mode dual-fiber SC interface/SFP slot, and optional ST/FC interface.

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.