

# DIN-Rail Managed Industrial Ethernet Switch



## UT-62408F Series

8+4G 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 and GMRP filter multicast packets
- Supports port-based VLAN, IEEE 802.1Q VLAN and GVRP
- Supports QoS(IEEE 802.1p/1Q) and TOS/DiffServ
- Supports STP/RSTP, SNMPv1/v2/v3
- Adopts RMON to improve network monitor forecast ability
- Supports UT-ring(single ring and cross ring)
- Supports port mirroring function, convenient for online debug
- Supports port transmission rate limitation, broadcast storm/multicast storm/uncertain unicast storm relieving
- Supports power/port abnormal status relay output alarm function
- Operating temperature: -40~85 °C



## OVERVIEW

UT-62408F series are managed industrial Ethernet switches. It supports up to 12 ports, which included 4 Gigabit fiber ports; this enhances the networking flexibility. This series supports port mirroring, VLAN, IGMP, QoS, Stp/Rstp, and other management, such as Console, Telnet, Web, SNMP, and relay alarm output. It 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, IEEE802.3a, IEEE802.1Q, IEEE802.1p, IEEE802.1D, IEEE802.1W, IEEE802.1x  
 Protocols: ICMP, TCP, HTTP, Telnet, UT-Ring, STP/RSTP, SNMP, LLDP, IGMP-Snooping, GMRP  
 Flow control: IEEE802.3x flow control, back pressure flow control

### Interfaces

Fiber port: 100Base-FX(SC/FC/ST)  
 1000Base-X(SC/FC/ST/SFP slot)  
 RJ-45 port: 10/100Base-T(X), auto MDI/MDI-X  
 LED indicator light: Power, Network, Run and Alarm 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:  
 100M ports: 148,810pps  
 1000M ports: 1,488,095pps  
 Transmission mode: store and forward  
 MAC address size: 8K  
 Cache size: 3Mb  
 Backplane bandwidth: 9.6G  
 Max. frame length: 2KB

### 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**

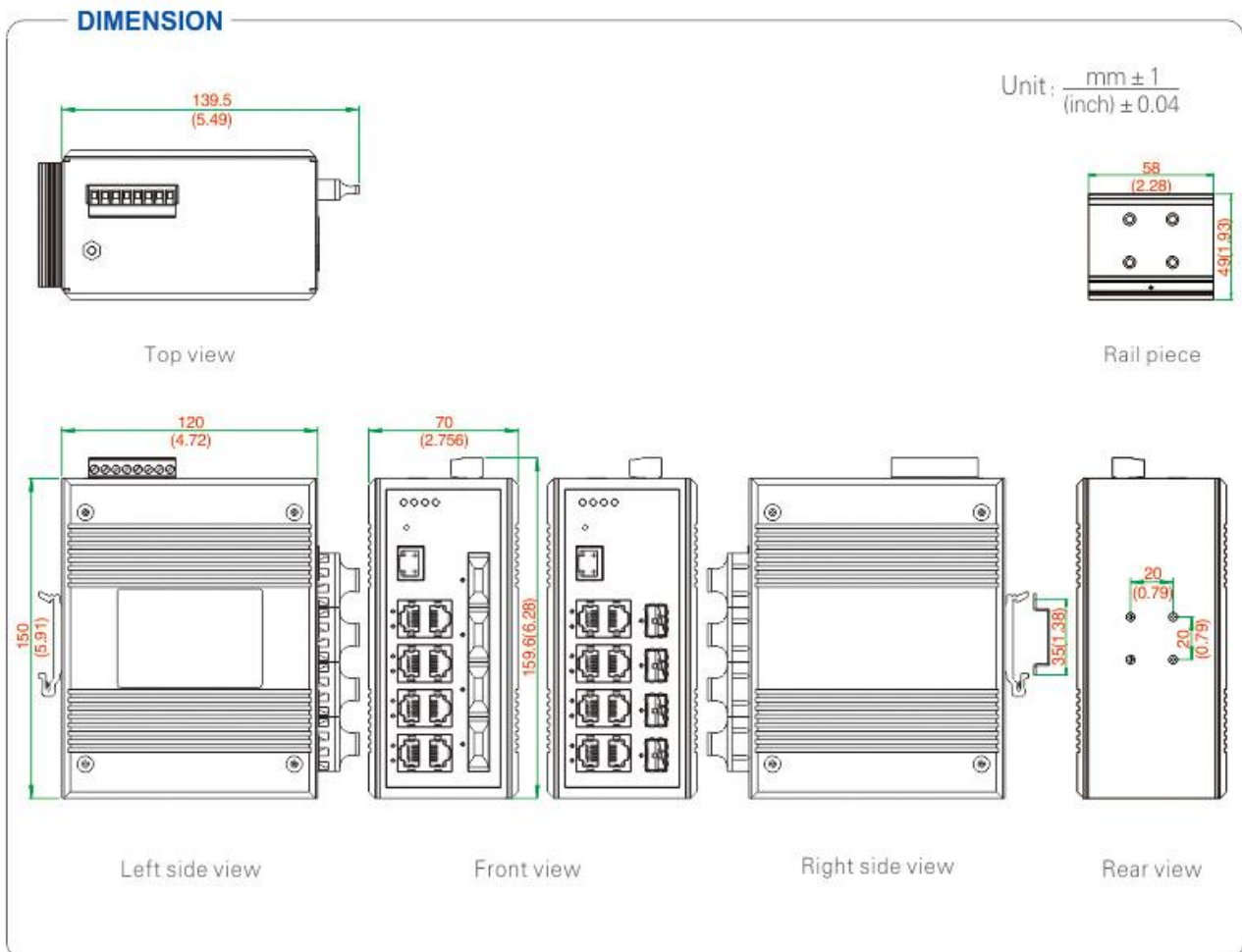
Dimension (W x H x D): 150mm x 70mm x 120mm  
 Weight: 1700g  
 Packaging dimension: 250mm x 205mm x 108mm

**Operating Environment**

Operating temperature: -40 ~ 85 °C  
 Storage temperature: -40 ~ 85 °C  
 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)



## ORDERING

Product Model	Port Description			Fiber Port	
	100Base-FX	1000Base-X	10/100Base-T(X)	100Base-FX	1000Base-X
UT-62408F-8T2SC-BNF	2	-	8	SC port	-
UT-62408F-8T4SC-BNF	4	-	8	SC port	-
UT-62408F-8T-4GSC-BNF	-	4	8	-	SC port
UT-62408F-8T-4GP-BNF	-	4	8	-	SFP slot

### 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