

# DIN-Rail Managed Industrial Ethernet Switch with Serial Ports



## UT-65208F Series

Managed Industrial Ethernet Switch with Serial Ports



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- Data control: Supports full duplex flow control and network storm suppression
- Redundant network: Supports STP/RSTP/MSTP, supports UT-Ring ring function to ensure the stability of the network
- Multicast management: Supports IGMP Snooping v1/v2/v3
- VLAN: Supports IEEE 802.1Q VLAN, effectively isolate broadcast domain
- Link Aggregation: Supports static/dynamic link aggregation to provide sufficient bandwidth utilization
- QOS: Supports COS, DSCP, 4 queues, WRR, SP scheduling mode
- Security management: Supports ACL access control list, support 802.1x, support user grading management
- Management function: Supports CLI, WEB, SNMP management mode
- Monitoring and maintenance: Supports port mirroring, interface status monitoring and log management functions
- Alarm function: Supports power, port, UT-Ring abnormal state relay output alarm function



## OVERVIEW

UT-65208F series are managed industrial Ethernet switches with serial ports. It supports various combinations of 100M optical and electrical ports, 4 serial ports (RS232/485/422), plug and play, and one console port, providing CLI management; it supports Ethernet Layer 2 protocols required by industrial sites, ensuring the stability of the communication network; this series of switches adopts low power consumption and fan-less design to ensure no noise interference, and supports -40~85 ° C operating temperature and good EMC to ensure stable operation in harsh industrial environments. Also providing a safe and reliable solution to build a fast and stable access network for industrial applications such as plant automation, intelligent transportation and video surveillance.

## SPECIFICATION

### Protocol Standards

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

### Interfaces

Fiber interfaces: 100Base -FX ports(SC/FC/ST)  
1000Base-X ports (SC/FC/ST)  
RJ45 interfaces:10/100Base-T(X)ports auto MDI/MDI-X  
Serial interfaces:RS232/485/422 interface  
Baud rate: 300-912600bps

Check bit: None, Odd, Even, Mark, Space

Data bit: 5,6,7,8

Stop bit: 1,2

### 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: 1Mb  
 Backplane bandwidth: 7.6G  
 Max. frame length: 1632B

**Power Requirement**

Voltage input: 12/24/48VDC(10.8-52.8VDC), supports redundant dual power input

**Power Consumption**

Max.Input power consumption 375mA@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**

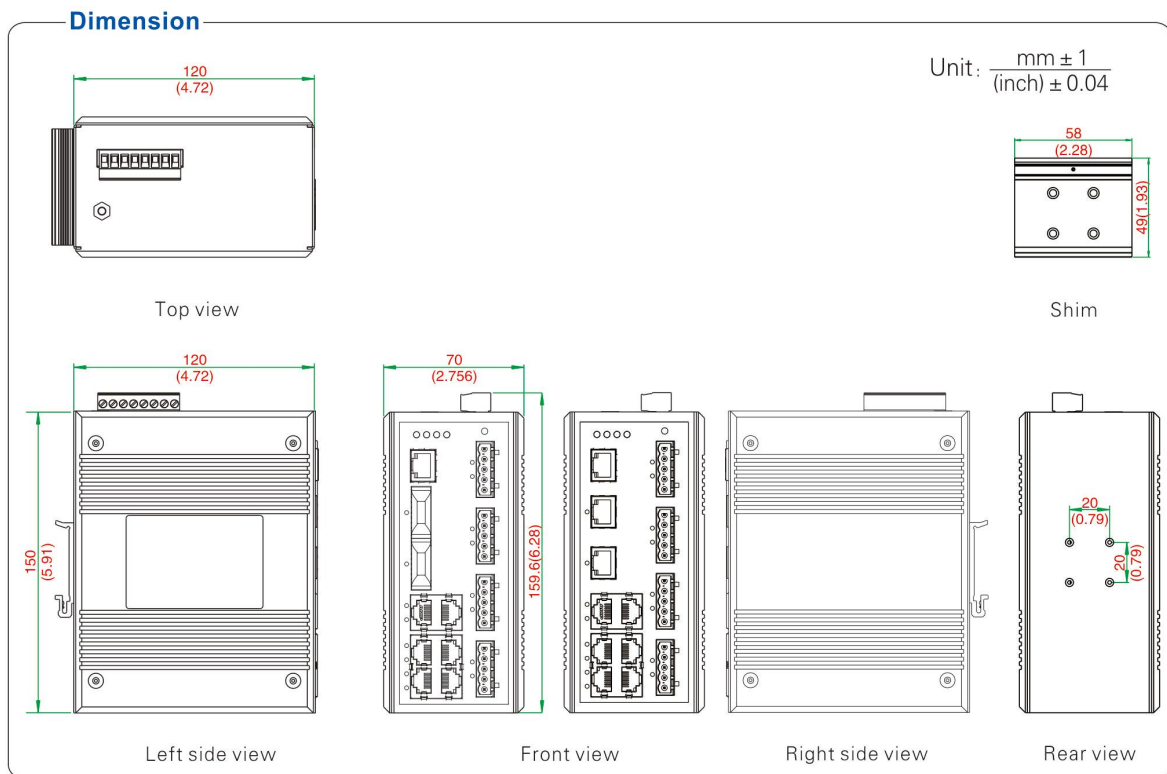
Dimension(W x H x D): 70mm x 150mm x 100mm  
 Package dimension: 250mm x 205mm x 108mm

**Operating Environment**

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

Model	Interface description					Optical port type	
	RS232	RS485/422	100Base-FX	1000Base-x	10/100Base-TX	100Base-FX	1000Base-X
UT-65208F-612SC-4DT-MNF	4	-	2	-	6	SC	-
UT-65208F-6T2SC-4DF-MNF	-	4	2	-	6	SC	-
UT-65208F-8T-4DT-MNF	4	-	-	-	8	-	-
UT-65208F-8T-4DF-MNF	-	4	-	-	8	-	-
UT-65208F-6T-2GSC-4DT-MNF	4	-	-	2	6	-	SC
UT-65208F-6T-2GSC-4DF-MNF	-	4	-	2	6	-	SC
UT-65208F-4T4SC-4DT-MNF	4	-	4	-	4	SC	-
UT-65208F-4T4SC-4DF-MNF	-	4	4	-	4	SC	-

### Remarks:

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.