DIN rail unmanaged industrial Ethernet switch

UT-60408F Series

8+4G Gigabit Unmanaged Ethernet Switch

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UTEK TECHNOLOGY

- Supports full-duplex or half-duplex, auto negotiation
- Auto 10/100Base-T(X), auto MDI/MDI-X
- Support -40~85℃ operating temperature and good EMC compatibility
- IP40 protection
- Relay output auto alarm function
- Dual power input, overload and reverse polarity protection
- Compatible with telecom standard, MTBF>300,000 hours

OVERVIEW

UT-60408F series are unmanaged industrial Ethernet switches with up to 12 interfaces, supporting various 100M optical combinations, supporting Gigabit optical ports (SC/ST/FC/SFP slots) and up to 4 Gigabit interfaces, plug-and-play to meet various industrial communication needs. The series switches adopt low power consumption and fan-less design to ensure no noise interference, while supporting -40~85 ℃ operating temperature and good EMC performance to ensure stable operation in harsh industrial environment, providing a safe and reliable solution to set up fast and stable remote terminal access networks for industrial applications such as planet automation, intelligent transportation and video surveillance.

SPECIFICATION

Protocol Standards

IEEE 802.3, IEEE 802.3u, IEEE 802.3z, IEEE 802.3x

Interfaces

Fiber interfaces: 100Base-FX（SC/FC/ST）

1000Base-X（SC/FC/ST）

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

LED indicator light

Power indicator, Network indicator, alarm indicator.

Switching Performance

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℃

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）

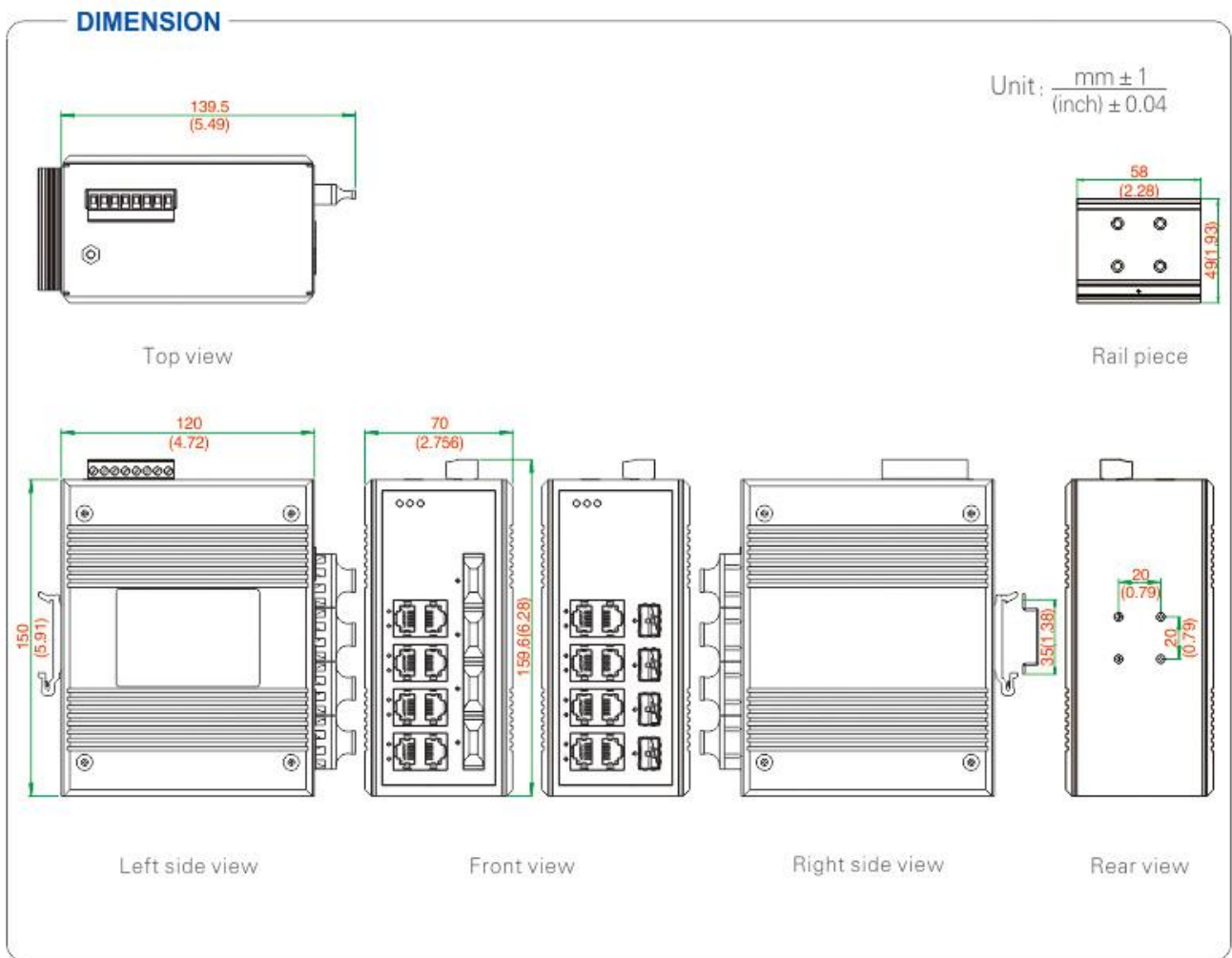IEC(EN)61000-4-3(RS)

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

139.5 (5.49) — Top view

58 (2.28), 49(1.93) — Rail piece

120 (4.72), 150 (5.91) — Left side view

70 (2.756), 159.6(6.28) — Front view

Right side view

35(1.38)

20 (0.79), 20 (0.79) — Rear view

ORDERING

Product Model	Port Description			Fiber Port	
	100Base–FX	1000Base–X	10/100Base–T(X)	100Base–FX	1000Base–X
UT–60408F–8T2SC–BNF	2	–	8	SC port	–
UT–60408F–8T4SC–BNF	4	–	8	SC port	–
UT–60408F–8T–4GSC–BNF	–	4	8	–	SC port
UT–60408F–8T–4GP–BNF	–	4	8	–	SFP slot

Remarks:

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

2. The suffix "F" in "MNF" means 12/24/48VDC（10.8~52.8VDC）power input;

   The suffix "D" in "MND" means 110/220VAC/DC（88~264VAC/DC）dual power input