

DIN-Rail Unmanaged Industrial Ethernet Switch



UT-60416F Series

16+4G Gigabit Unmanaged Ethernet Switch



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- Supports full-duplex or half-duplex, auto negotiation
- Supports 10/100Base-T(X), auto detection, auto MDI/MDI-
- Built-in store-and-forward, 8k buffer
- Operating temperature: -40~75 °C
- IP protection level: IP40
- Relay output auto alarm function
- Redundant dual power input, non-polarity, overload and reverse polarity protection
- Compatible with Telecom standards, MTBF>300,000 hours



OVERVIEW

UT-60416F series are unmanaged industrial Ethernet switches. It supports up to 20 ports, which included 4 Gigabit fiber ports; this enhances the networking flexibility. This switch is low power consumption; the fanless design prevent it from noise interference; the operating temperature range is -40~85 °C and it is with good EMC compatibility. These make the switch provides safe and reliable solution for industrial automation, intelligent transportation, video monitoring, and other industrial application networking access.

SPECIFICATION

Protocol Standards

IEEE 802.3, IEEE 802.3u, IEEE 802.3z, IEEE 802.3z.

Interfaces

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

1000Base-X(SC/FC/ST slot)

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

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

100M ports: 148,810pps

1000M ports: 1488095pps

Transmission mode: store and forward

MAC address size: 8K

Cache size: 3Mb

Backplane bandwidth: 11.2G

Max. frame length: 2KB

LED indicator light

P1,P2Power, FAIL Power failure, Network indicator.

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 830mA@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: 2000g

Packaging dimension: 250mm x 205mm x 108mm

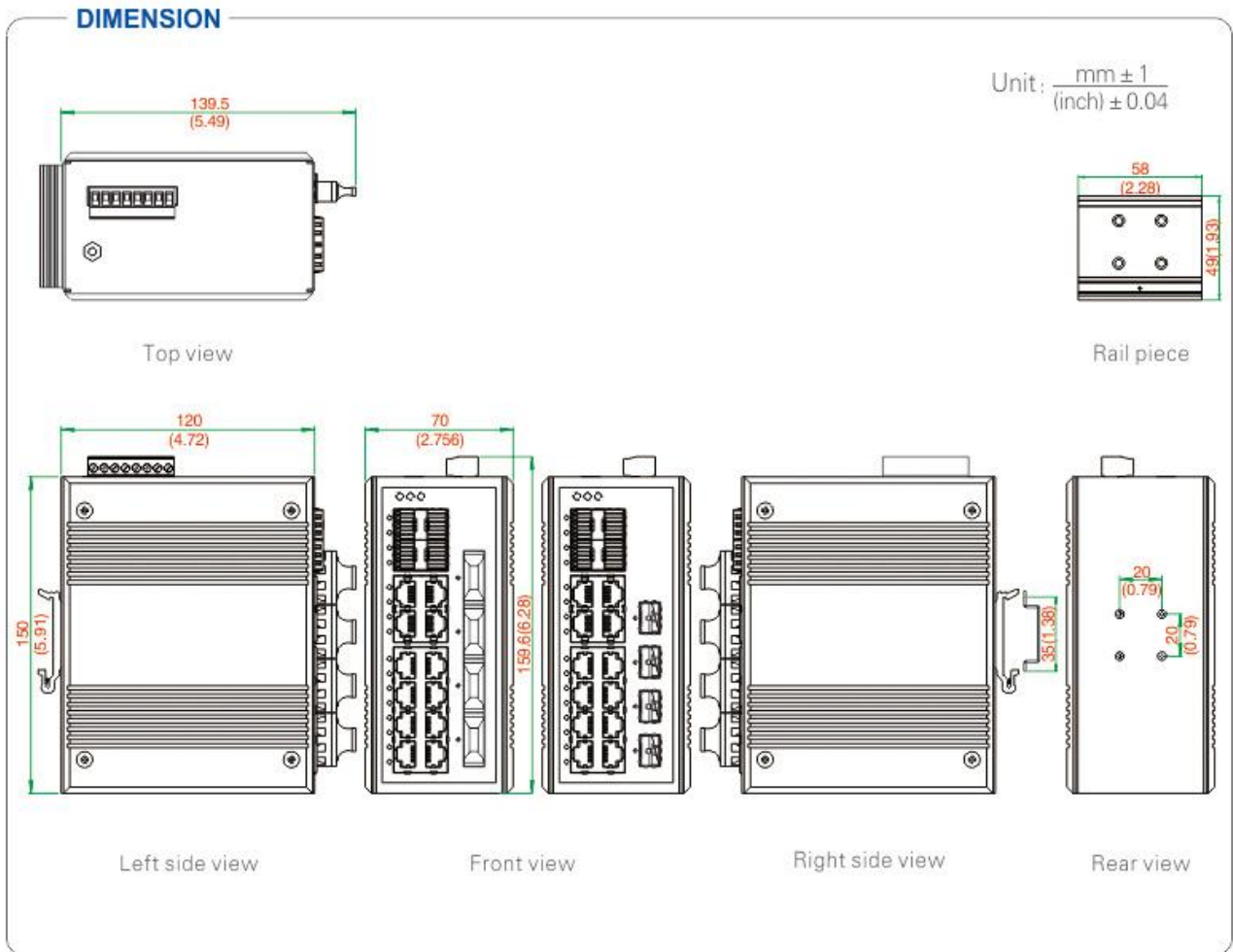
Operating Environment

Operating temperature: -40 ~ 75 °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

Model	Interface description				Optical port type	
	100Base-FX	1000Base-X	10/100Base-T(X)	10/100/1000Base-T	100Base-FX	1000Base-X
UT-60416F-16T-BNF	-	-	16	-	-	-
UT-60416F-12T4SC-BNF	4	-	12	-	SC	-
UT-60416F-16T-4GP-BNF	-	4	16	-	-	SFP
UT-60416F-12T4SC-4GP-BNF	4	4	12	-	SC	SFP

UT-60416F-20T-BNF	-	-	20	-	-	-
UT-60416F-16T-4GSC-BNF	-	4	16	-	-	SC
UT-60416F-16T-4GT-BNF	-	-	16	4	-	-

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