



UT-62404 Series 8-Port 10/100Mbps Unmanaged Ethernet Switch User Manual

I. Overview

UT-62404 is an unmanaged Ethernet switch with 4 optic ports and 4 Ethernet ports. It is the best choice for smart building or fiber to desktop solution. 10/100Mbps, auto negotiation; it extends the transmission distance from 100m to thousands meters, easily to make the connection among master server, repeater, hub, terminals.

II. Features

Standards:

IEEE 802.3 10BaseT
IEEE 802.3u 100BaseT(X) and 100Base FX

Ports:

4x100Base F(X) ports (with optional SC, ST, FC)
RJ45 ports: 4x10/100BaseT(X) ports, auto detection, full/half-duplex, auto MDI/MDI-X

LED indicators: PWR1, PWR2, FAIL, FDX1, FDX2, FDX3, FDX4, RJ-45 indicators

Alarm contact: 1 channel relay output, NONC 1A @24VDC

Power requirement:

Voltage input: 12/24/48VDC(10.8~52.8VDC), redundant dual power input
Power consumption: 300mA@24V max

Terminal block: 1x pluggable 6-pin

Overload protection: Yes

Reverse polarity protection: Yes

Characteristics:

IP rating: IP30

Installation: DIN-Rail/wall-mounted

Industrial standards:

EMI: FCC Part 15 Subpart B class A, 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)

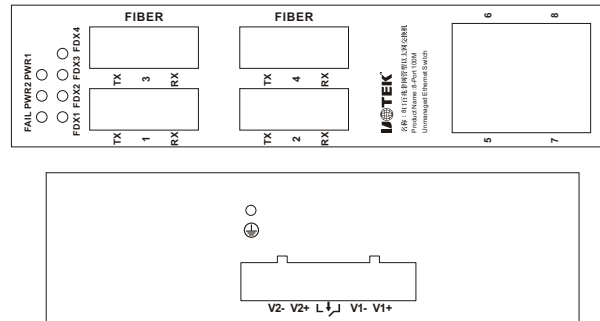
IEC(EN)61000-4-8

IEC 60068-2-27(Shock)

IEC 60068-2-32(Freefall)

IEC 60068-2-6(Vibration)

Side view



III. Technical standards

1. Technical standards

Indicator parameters		Technical parameters				
		Multi-mode (MM)	Single-mode(SM)			
Optic data	dual-fiber transmit wavelength	1310	1310	1310	1550	
	Single-fiber transmit (T model)	Transmit wavelength nm	1310	1310	1310	1490
		Receive wavelength nm	1550	1550	1550	1550
	Single-fiber receive (R model)	Transmit wavelength nm	1550	1550	1550	1550
		Receive wavelength nm	1310	1310	1310	1490
	Transmission distance km	2	20	40	80	
	Transmit power ind Bm	-15~-8	-15~-8	-5~0	-5~0	
	Receiver sensitivity ind Bm (≤)	-32	-34	-34	-34	
	Light saturation dBm	-3	-3	-3	-3	
	Optical loss dBm/km	0.5	0.5	0.3	0.25	
Optical interface type	with optional SC, FC, ST					
Other	Transmission rate	100Mbps、10Mbps				
	Cache	1MB				
	Operating mode	full/half-duplex mode				
	Power Requirements	12/24/48VDC(10.8~52.8VDC)				
	Operating Temperature	-40~85℃				
	Storage Temperature	-40~85℃				
	Relative humidity	5%~90%				
Dimension	150mm × 100mm × 47.6mm					

2. Connection parameters

① Transmission mode

Multi-mode: 50/125, 62.5/125

Single-mode: 8.3/125, 8.7/125, 9/125, 10/125 μm

② 1. Transmission distance

Multi-mode: 2km

Single-mode: 20km, with optional 40km, 60km, 80km, 120km,

UTP5: 100m

IV. Installation

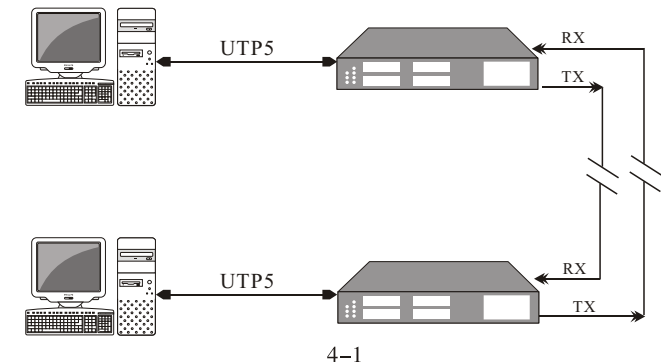
1. Check the package

Open the package, compare to table(4-1); if there is anything missing, please contact with the local dealers

Item	Switch	Warranty card	User manual	Screw	Stator	DIN-Rail
Qty	1	1	1	9	1	1

2. Installation

Follow the Figure 4-1 to install:



3. Device working status

Indicator status

- PWR on: power supply is normal
- RJ45 on: connect with Internet of 100Base
- Link blinking: the networking is in normal status
- FDX on: optic fiber connection is correct (it flash when data transmission)
- FAIL on: one of the powers is breakdown or no access