level® one

FEP-0531

User Manual

👉 Brief introduction

Many thanks for purchasing Fast Ethernet POE Switch! This product supports IEEE802.3U/100Base-Tx protocol, as well as full duplex and half duplex mode. It provides 4 TX ports and a UPLINK port, which can suit for most 10/100M networks. This manual is for 100M converters.

Model	Specifications
5 x UTP	10/100M adaptive, with 4 PSE port

👉 Packing list

Please check the following items in the package before installing the converter.

Fast Ethernet POE Switch	1 piece
AC/DC adapter	1 piece
User manual	1 copy
Warranty card	1 piece

Please contact the dealer immediately for any missing or damaged items.
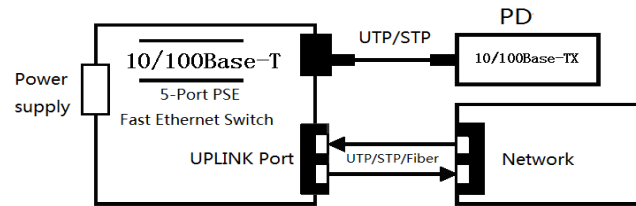
👉 Interface

1. Interface

All RJ-45 copper interfaces support Auto-Negotiation for optimal speed detection through RJ-45 CAT5 UTP cables with a maximum length of 100 meters (or 328 feet). They also support standard Auto-MDI/MDI-X that can detect the type of connection to any Ethernet device without requiring special straight or crossover cables.

2. Connection

All ports support 802.3af compliant Power Devices (PD) and other network devices (e.g. work station, hub or switch). Connect one end of the standard UTP CAT5 network cable to the 10/100Mbps RJ-45 ports on the front panel of the switch. Connect the other of the cable to the typical network devices.
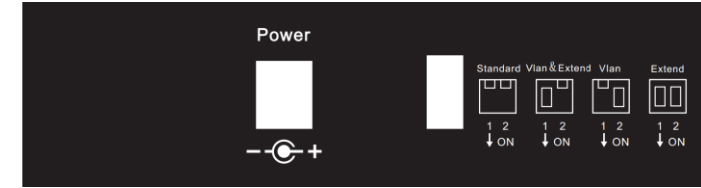
Fig.1 Basic Network Connection

Panel

1. Front

2. Back

👉 Explanation for LED indicator lamp

The LED indicator lamps serve as device monitoring and error display. The following explains each LED indicator.

LED	Status	Explanation
PWR	Green	Lit when Power is available.
POE (P1~P4)	Yellow	Lit when the connected port(s) is/are PSE starts to supply power
	OFF	Off when the connected port(s) is/are PSE stop power supply
L/A (P1~P4)	Green	Lit when there is/are network device(s) connect the corresponding port(s)
	Blink	Blink when the corresponding ports is(are) transmitting data flows
Two bits DIP switch	Standard	Support 100 meters standard distance transmission
	Extend	Support 250 meters long distance transmission
	VLAN	Support 100M downlink port isolation, only uplink port communication
	VLAN &Extend	Support 10M Port isolation and 250 meters long distance transmission

☞ Installation

1. Turn off the power of the device/station in the network in which the converter will be installed.
2. Ensure that there is no activity in the network.
3. Attach a UTP cable from the 100Base-TX network to the RJ-45 port on the converter.
5. Connect the power cord to the converter.
6. Turn on the power of the converter and check that the Power LED lights up. The TP Link and L/A Link LED will light when all the cable connections are satisfactory.
7. When the P1~P5 LINK/ACT LED is green, the corresponding port is running under 10/100Mbps;

☞ Technical parameters:

1. Standard Protocol:
   IEEE 802.3 10 Base-T
   IEEE 802.3u 100Base-TX
   IEEE 802.3x flow control
   IEEE 802.3af POE
   IEEE 802.3at POE+
2. Connectors:
   5× UTP RJ-45 connector with PSE function
3. Operation mode:
   TX: 10/100 Mbps auto-negotiation mode
4. Power supply:
   48VDC@1.25A with 802.3af
   48VDC@2.5A with 802.3at
5. PSE Pinout: PIN4/5: Pos(+), PIN7/8:Neg(-)
6. Operation temperature: -20℃~70 ℃

7. Storage temperature: -40℃~80 ℃
8. Operation humidity: 5%-90% non-condense
9. Storage humidity: 5%-90% non-condense
   10. Twisted Pair cable: Cat5 UTP cable
11. Dimensions: 30×110.2×95.7mm (H x W x D)

☞ Warning:

1. This product is suitable for indoor application.
2. The appliance inlet is used as the disconnect device and shall remain readily operable at all time.

☞ Trouble shooting:

1. Device is not connecting. Please check that the corresponding network device is using the same transfer rate as the media converter (10Mbps or 100Mbps).