☞ **Brief introduction**

Many thanks for purchasing Gigabit Ethernet Switch! This product supports IEEE802.3ab 1000Base-T and IEEE802.3z 1000Base-X protocols. This manual matches the 5-port 10/100/1000Mbps Ethernet switch with 1-port 1000Base-X features. The following product select guide is for your reference.

Product Select guide for Gigabit Ethernet Switch

| Model | Specifications |
|---|---|
| 4 x UTP-MM | 10/100/1000M adaptive, multi mode up to 550m, ST/SC/FC |
| 4 x UTP-SM | 10/100/1000M adaptive, single mode up to 100km, ST/SC/FC |
| 4 x UTP-SFP | 10/100/1000M adaptive, with one SFP slot |

☞ **Packing list**

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

| | |
|---|---|
| Gigabit Ethernet Switch | 1 piece |
| Power Adapter | 1 piece |
| User Manual | 1 piece |

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

☞ **Installation**

1. Interface

All RJ-45 copper interfaces support Auto-Negotiation for optimal speed detection through RJ-45 CAT5e 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
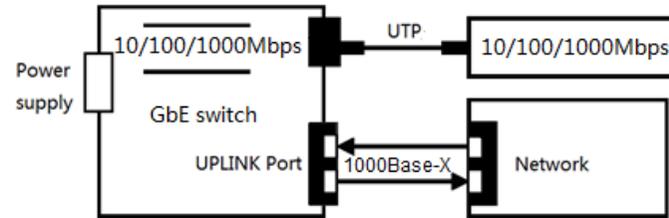


Connect one end of the standard UTP CAT5 network cable to the 10/100/1000Mbps RJ-45 ports on the front panel of the switch. Connect the other of the cable to the typical network devices.

3. Power on

Connect one end of the power adapter to the switch. Connect the power plug of the adapter to a standard wall outlet. When the switch is powered on, the PWR LED should be remain static green. The LED of each port indicates the connection status of corresponding port. (See Table.1 for detailed description)

4. Panel

All link ports and LED indicators are located on the front panel, leaving only Power port on the back panel. The panels as follows pictures:

Front panel



Back Panel
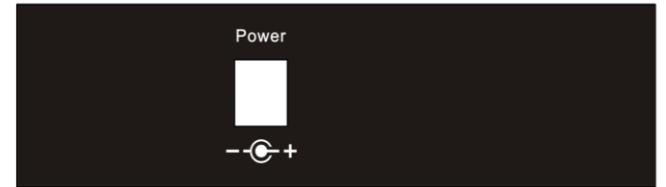


5. LED indicator

The LED indicators serve as device monitoring and error display. Detailed descriptions are summarized in the following table.

| LED | Status | Description |
|---|---|---|
| PWR | Green | Device active |
| L/A | Green | Link to port |
| | OFF | Link failure |
| | Blink | Data transfer to port |
| SPD | Green | Transfer rate is 1000Mbps |
| | OFF | Transfer rate is 10/100Mbps |

☞ Technical parameters:

1. Standard Protocol:
    IEEE802.3 10Base-T
    IEEE802.3u100Base-TX
    IEEE802.3ab1000Base-T
    IEEE802.3z1000Base-X
    IEEE802.3x flow control
2. Connectors:
    4× UTP RJ-45 connector
    1× SC/ST connector or 1× SFP slot
3. Operation mode:
    FX: 1000 Base-X Full -duplex mode
    TX: 10/100/1000 Mbps auto-negotiation mode
4. Power supply:
    5VDC@2A power adaptor
5. Operation temperature: -20℃~70 ℃
6. Storage temperature: -40℃~85 ℃
7. Operation humidity: 5%-90% non-condense
8. Storage humidity: 5%-90% non-condense
9. Twisted Pair cable: Cat.5e UTP cable
10. Fiber cable:
    multi-mode: 50/125, 62.5/125 $\mu$ m
    single mode: 8.3/125, 9/125 or 10/125 $\mu$ m
11. Dimensions: 30×111×96mm (H x W x D)

☞ Warning:

1. This product is suitable for indoor application.
2. Place the dust cover on the fiber interface when not in use.
3. It is dangerous to stare at the fiber transmitter with the naked eye.
4. 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 switch (10Mbps or 100Mbps).
2. If power loss is excessive in the fiber, please check and clean the fiber patch cord connectors.

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5-Port Gigabit Ethernet Switch, 1 Port SFP

# User's Manual

Please read before using the Switch

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