



16 /24 port 10/100 Switch

Quick Installation Guide

Introduction

The 16/24 port Ethernet Switch are designed to allow simultaneous transmission of multiple packets via an internal high-speed data channel. This means that it can partition a network more efficiently than bridges or routers in most environments. This 16/24 port Ethernet Switch is a highly reliable network Switch and is the ideal device for bridging Ethernet to Fast Ethernet workgroups or networks. Simple and cost-effective, the 16/24 port Switch Ethernet supports IEEE802.3 10Base-T Ethernet and IEEE802.3u 100Base-TX Fast Ethernet.

The front panel of the 16/24 port Ethernet Switch provides LEDs for Switch operation status and for troubleshooting. These LEDs display the power status for the system and link status speed, collision and receives status for each port.

Package Contents

- 16 / 24 port 10 / 100 switch
- One Power Cord and Accessory
- One Quick Installation Guide(this guide)
- 2 pcs mount brackets

Specification

Standard:

IEEE802.3 10Base-T Ethernet
IEEE802.3u 100Base-TX Fast Ethernet

Network Media:

100Base-TX - UTP/STP category 5 cable
10Base-T - UTP/STP category 3 or 5 cable

Connector: STP RJ-45 port for 10/100Mbps TX

LED indicators:

System - Power LED.
Individual port - link/activity and speed LEDs

Temperature: Operating 0 oC to 50 oC

Storage : -20 oC to 70 oC

Humidity: Operating 10% to 90% RH

Storage :5% to 90% RH

Input Power Requirement: 100 - 240VAC, 50 - 60Hz,
Auto-sensing

Registrations: FCC Part 15 Class A, CE

LED Definition:

Please refer to the following table for LED definition

Front Panel

1. 16 Ports 10/100 Internal Power Switch



2. 24 Ports 10/100 Internal Power Switch



LED	Status	Operation
Power	Green	Lit: Power is on
Link/act	Green	Lit: Indicates the adapter is connected to switch correctly Flash: the port is transmitting/receiving data.
10/100	Green	Lit: 100M bps Not lit: 10M bps

Rear Panel**Hardware Installation**

Place the 16/24 port Switch on a smooth surface
Connect the output of power cord to the AC-inlet of 16/24 port Switch.

Connect other IEEE802.3 compatible network device(Hub ,Switch ,PC) to one port of the 16/24 port Switch using Category 3/4/5 UTP/STP cabling.

Connect another IEEE802.3 compatible network device (Hub , Switch ,PC) to another port of 16/24 port Switch by following the same process as described in Step3.

Notice:

The cable distance between 16/24 port Switch and other IEEE802.3 compatible network device should not exceed 100 meter.

Make sure the wiring is correct

It can be used Category 3/4/5 cable in 10 Mbps operation. To reliably operate your network at 100Mbps, you must use an Unshielded/Shielded Twisted-Pair (UTP/STP) Category 5 cable, or better Data Grade cabling. While a Category 3 or 4 cable may initially seem to work, it will soon cause data loss.

All kinds of IEEE802.3 compatible network device (Hub , Switch ,PC)can connect to Switch by using straight-through wires or crossover wires because of Switch's auto MDIX function.

Troubleshooting

If the 16/24 port Switch is not functioning properly, make sure the 16/24 port Switch was set up according to instructions in this manual.

The Power LED is not lit

Solution:

- Check if the AC power cord is well connected. Try to unplug and plug back the power cord to the LAN Switch or try another power cord.
- Check if the AC power source is in good condition.

The Link LED is not lit

Solution:

- Make sure the Switch configuration is consistent with the connecting device
- Check the cable connections.
- Make sure the cable distance between 16/24 port

Switch and other IEEE802.3 compatible network device should not exceed 100 meter. Performance is bad

Solution:

- Check the full duplex status of the Ethernet Switching. If the Ethernet Switching is set to full duplex and the partner is set to half duplex, then the performance will be poor.
- Make sure the cable between the switch and other IEEE802.3 compatible network device is Category 5 UTP at 100Mbps operation.

Some stations can not talk to other stations located on the other port

Solution:

- Check status of the LNK LED to make sure the link is correct.
- Make sure that the workstation's network configuration is correct, modify the network configuration of workstation if need.
- Please reset the switch if need.