8-Port GbE Switch with 4 PoE+ PSE Ports User's Manual

1. Product Overview

The switch is an 8-port 10/100/1000Mbps unmanaged Ethernet switch with 4 PoE+ PSE ports. It is designed to enhance network performance in a compact form factor. The switch can also be rack-mounted with help of rack mounting brackets provided with the switch. The switch comes with 8 10/100/1000Mbps ports, offering solutions for accelerating bandwidth needs for small Ethernet workgroups. The switch uses store and forward packet-switching technology, which offers reliable data transfer and supports automatic MDI/MDI-X detection & auto-crossover on all ports which eliminates the need for cross over cables or dedicated uplink ports. Any port can simply connect a server or a switch, using the standard straight-through twisted-pair cable. The switch also supports 4 PoE+ ports that can be used to power up PoE enabled devices. This switch is ideal for network connectivity for the SOHO/SME environment.

2. Product Features

● 8 RJ-45 Ports to support 10BaseT, 100BaseTX and 1000BaseT connectivity
● Complies with IEEE802.3, IEEE802.3u, IEEE802.3ab and IEEE802.3af/at standards
● Supports IEEE802.3 auto-negotiation protocol
● Supports IEEE802.3x flow control for full duplex
● Supports auto MDI/MDI-X crossover
● Supports wire speed packet filtering and forwarding rate
● Supports store-and-forward switching architecture
● Link/ACT LED for each port & PoE LED for PoE ports

3. System Requirements

The following system requirements are recommended:
● Network card for each PC or Server
● Network cables Cat.5 for 1000Mbps

4. Front View

The DIP Switch configuration for supporting 10Mbps transmission with PoE up to 180 meters. Please note, after turning ON the DIP switch you have to reboot the switch.

After installing the switch, you can check its status from the LED indicators on the front panel shown below.

5. LED Description

Following is the LED description:

LED	Status	Operation
Power	Steady Green	The switch is powered on.
	Off	The switch is powered off.
Port LED	Steady Amber	Connected to 10/100M network
	Steady Green	Connected to 1000M network
	Blinking	Transmitting/receiving data
	Off	No device is connected
PoE	Steady Green	Delivering Power to PoE devices.
	Off	PoE function not active.
PoE Alert	On (Green)	Total PoE power consumed is over 50W
	Off	Total PoE power consumed is less than 50W

6. Connecting Computers

The switch features auto-MDI/MDIX crossover detection function and provides plug-and-play capability. Users can immediately use the features of the product simply by plugging the network cables (RJ45) to the computers and the switches.

7. Hardware Installation

1. Connect one Ethernet port to your router's LAN port with an Ethernet cable.
2. Connect your computer to one port of the switch with an Ethernet cable.
3. Plug DC end of the provided Power Adapter into the power jack of the switch and the AC end to a standard electrical socket.

8. Uplink

All Ports can be used as an uplink port for connecting another Ethernet switch without using crossover cable. You may extend the network distance more than 100m or the number of connected computers by linking another switch or hub.

9. To prolong the operational life of your units
● Do not stack more than eight units if free standing
● Do not place objects on top of any unit or stack
● Do not obstruct any vents at the sides of the case

10. Package Contents
The following items should be present in the product package:
● The switch unit
● One Power adapter
● One Power cord
● Quick installation guide
● Four Rubber feet

Make sure the package contains above items. If any listed item is damaged or missing, please contact your retailer immediately.

11. Technical Specifications

Hardware	
Standard	IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX IEEE 802.3ab 1000Base-T, IEEE 802.3x Flow Control, IEEE 802.3af PoE, IEEE 802.3at PoE+
Network Ports	8 10/100/1000Mbps Gigabit copper ports Shielded RJ-45, auto-negotiation, auto-MDI/MDI-X support
Network Cables	Cat. 5, 5e, 6 or higher up to 100m
Power over Ethernet	PSE on Port 1 ~ Port 4, 30W max. per port output
PoE Power Budget	60W max. shared by 4 PSE ports
PoE Alert	LED alert when delivered PoE power over 50W
MAC Address Table	4K entries
Buffer Memory	1.5M bits
Jumbo Frame	Up to 9K bytes
Dimension	165 x 118 x 39mm (W x D x H)
Power	External Power 55V/1.3A
Temperature	Operating: 0° ~ 40°C, Storage: -40° ~ 70°C
Humidity	10% ~ 90% (non-condensing)
Approval	CE/FCC compliance