

8 Ports PoE 10/100/1000M LAN Switch

User's Manual

FCC Warning

This device has been tested and found to comply with limits for a Class A digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates and radiates radio frequency energy and, if not installed and used in accordance with the user's manual, it may cause interference in which case users will be required to correct interference at their own expenses.

CE Warning

This is a Class A product. In a domestic environment, this product may cause radio interference in which case the user may be required to take adequate measures.

Introduction

This switch provides 8 10/100/1000M ports. It is designed for easy installation and high performance in an environment where traffic is on the network and the number of users increases continuously.

It consists of 8 PSE/PoE ports. That can solve the limitation of the power outlet location and offer the system designer a flexible solution to locate the network device everywhere.

The device size is specifically designed for medium to large workgroups. The Switch can be installed where space is limited; moreover it provides smooth network migration and easy upgrade to network capacity. The PoE switch can be wall-mount.

Package Contents

Before you start to install this switch, please verify your package that contains the following items:

- One 8-port PoE Gigabit Ethernet Switch
- One Power Adaptor (120w)
- One User's Manual

Note: If any of these items is found missing or damaged, please contact your local supplier for replacement.

Key Features

- 8 Port 10/100/1000M Nway (Auto-negotiation) Switch
- 8 PSE/PoE function ports
- Supporting the power Max. 30W for each PSE/PoE port
- Compact size
- Auto-learn of networking configurations
- Auto-detect full/half-duplex modes for any port
- Dedicated full-duplex 200Mbps bandwidth
- Store-and-Forward switching methods
- IEEE 802.3x flow control for full-duplex and back-pressure flow control for half-duplex
- Non-blocking & Non-head-of-line blocking full wire speed forwarding
- Auto-MDI/MDI-X function for any port
- Smart plug & play

Front Panel (LEDs)

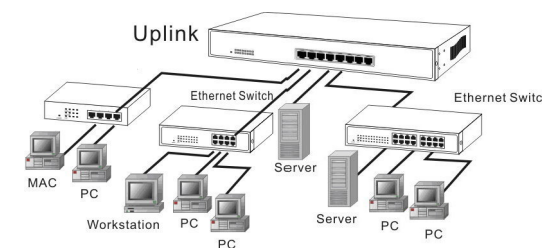
LED Indicators of 8 Port PoE 10/100/1000M Switch

LED	Status	Description
ACT	On	Port is for connection.
	Off	No connection.
10/100	Off	10M
	On	100M
1000	On	1000M
	Off	
PoE	On	Port is linked to Power Device
	Off	No Power Device is connected

Connections

Switch/Hub to this 8 Port PoE 10/100/1000M Ethernet Switch

This switch provides automatic crossover detection functionality for any port. It is simple and friendly to up-link to another switch without crossover cable.

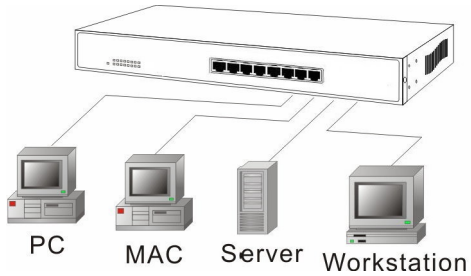


Technical Specifications

Standards	IEEE 802.3at/af IEEE 802.3 10BaseT IEEE 802.3u 100BaseTX IEEE 802.3ab 1000BaseTX IEEE 802.3x Flow control
Features	Number of Ports: 8 PSE/PoE Ports MAC Address: 4K Buffer Memory: 1.625 Mb Method: Store and Forward
Filtering/Forwarding Rates	1000Mbps port - 1,488k pps 100Mbps port - 148,800pps 10Mbps - 14,880pps
Transmission Media	10BaseT Cat. 3, 4, 5 UTP/STP
LED Indicators	Per Port: 10/100/1000M, PoE Per Unit: Power
Power Input	56VDC
Power Output	56VDC Per Port Output - 30 W Max Per Port 8 Ports at Full 15.4 W Output Supported
Power Consumption	120 W (Max)
Dimensions	188 × 119 × 38 mm (L x W x H)
Weight	1.2 kgs (with packing)
Operating Temperature	0 to 55°C
Storage Temperature	-20 to 90°C
Humidity	10 to 90% RH (non-condensing)
Certifications	FCC Class A, CE

PC/Other devices to this 8 Ports 10/100/1000M Ethernet Switch

Via a twisted pair cable straight through, this switch can be connected to PCs, servers and other network devices.



Power Device to this 8 Port PoE getting 48V power source through Cat. 5 cables

Using Cat. 5 twisted-pair cable to connect Power Device to the port 1~8 of this switch, and then this switch will supply 48V power to Power Device over Cat. 5 twisted-pair cable. Please be noted Power Device should also comply with IEEE 802.3at/af.

Rear Panel (Power)

AC/DC power adaptor

56VDC, 120w



Caution: Be sure to connect Power Adapter DC plug to DC jack of Switch before plugging the power cord to AC power outlet.