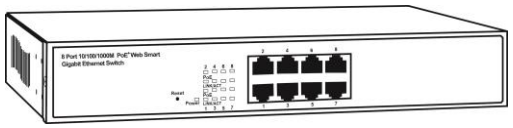
NGSE8H(x)-(AV)

8-Port 10/100/1000Mbps Desktop Gigabit PoE+ Ethernet Switch

Quick Installation Guide



FCC Warning

This device has been tested and found to comply with limits for a Class B digital device, pursuant to Part 2 and 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 B product. In a domestic environment, this product may cause radio interference in which case the user may be required to take adequate measures.

Introduction

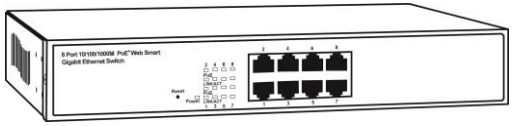
The Switch provides 8 10/100/1000Mbps NWAY RJ-45 ports. It was designed for easy installation and high performance in an environment where traffic on the network and the number of user increase continuously. With newest Gigabit chip set, Gigabit Ethernet switch can fully support highest speed without hanging on problem even when Full-Duplex full loaded.

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.

This 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.

Key Features

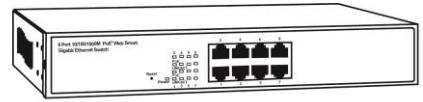
- Complies with the IEEE802.3 Ethernet, IEEE802.3u Fast Ethernet and IEEE 802.3ab/z Gigabit Ethernet Standards
- Provides 8 10/100/1000Mbps Gigabit switching ports
- Supporting the power Max. 30 W for each PSE/PoE port with total power budget of 130watts/ X version 235W
- Non-blocking & Non-head-of-line blocking full wire speed forwarding
- Store-and-forward operation support
- Provides 8K MAC address entry
- Supports broadcast storm filtering
- All ports provide Auto-Negotiation and Auto -MDI/ MDI-X functions
- Supports flow control: back pressure for Half-duplex and IEEE 802.3x for Full-duplex mode
- Smart plug & play



Package Contents

Before you start to install this Switch, please verify your package contain the following items:

- One Ethernet Switch
- One AC Power Cord
- One Quick Installation Guide

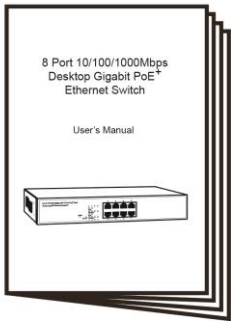


Gigabit Switch



Power Cord

User's Manual



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

Front Panel (LEDs)

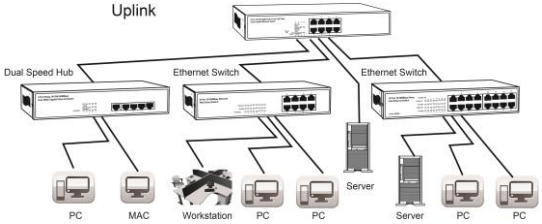
LED Indicators of 8 Port Gigabit Ethernet Switch

LED	Status	Description
Power	On	Power is on.
	Off	Power is off.
LINK/ACT	On	Port is for connection.
	Off	No connection.
	Flashing	Data is transmitting or receiving
PoE	On	Port is linked to Power Device
	Off	No Power Device is connected

Connections

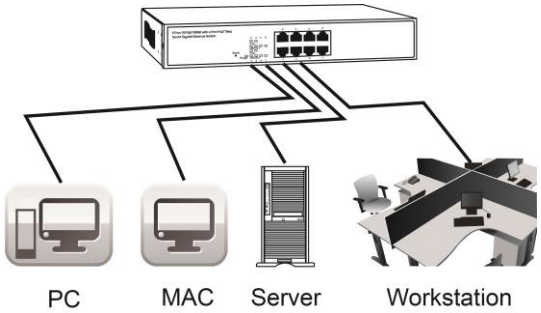
Switch/Hub to this 8 Port Gigabit Ethernet Switch

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



PC/Other devices to this 8 Port Gigabit Ethernet Switch

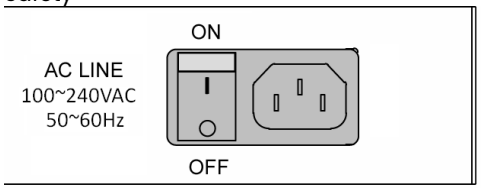
Via a twisted pair cable straight through, this switch can be connected to PCs, servers and other network devices.



Rear Panel (Power)

AC input

AC input (100~240V/AC, 50~60Hz) UL Safety



Technical Specifications

Standards	IEEE 802.3 10BaseT IEEE 802.3u 100BaseTX IEEE 802.3ab 1000BaseT IEEE 802.3z IEEE 802.3x Flow control IEEE 802.3at PoE+
Features	Number of Ports: 10/100/1000BaseTX with RJ-45 Connectors: 8 MAC Address: 8K Buffer memory: 2M bit Method: Store and Forward
Filtering/ Forwarding Rates	1000Mbps port – 1,488,000pps 100Mbps port – 148,800pps 10Mbps – 14,880pps
LED Indicators	Per Port: POE,LINK/ACT Per Unit: Power
Power Requirement	100~240V/AC, 50~60Hz
Power Budget	130 Watts (Max)/X version 235 Watts
Dimensions	266 × 160 × 44 mm (L x W x H)
Weight	1.52 kg
Operating Temperature	0 to 40℃
Storage Temperature	-20 to 90℃
Humidity	10 to 90% RH (non-condensing)
Certifications	FCC Class B, CE