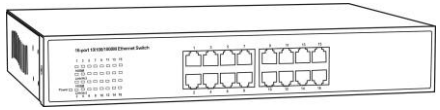
PROFESSIONAL

# NGS16TP

## 16 Ports Nway Gigabit Ethernet Switch

## Quick Installation Guide



## FCC Warning

This device has been tested and found to comply with limits for a Class A 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 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

The Switch provides 16 10/100/1000M 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, 13" Gigabit Ethernet switch can fully support highest speed without hanging on problem even when Full-Duplex full loaded.

The switch also provides automatic crossover detection functionality on each port. It is simple and friendly to up-link to another switch without crossover cable.

The rack-mount size was 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 13" size can be rack-mount on 13" cabinet.

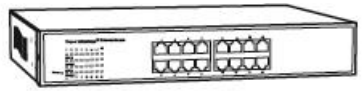
## Key Features

- Complies with the IEEE802.3 Ethernet, IEEE802.3u Fast Ethernet and IEEE 802.3ab Gigabit Ethernet Standards
- 16 Port 10/100/1000M Nway (Auto-negotiation) Switch
- 13" rack-mount size
- Non-blocking & Non-head-of-line blocking full wire speed forwarding
- Store-and-forward operation support
- Embedded 340 KB packet buffer
- Supports 9.6 KB JUMBO packet
- 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

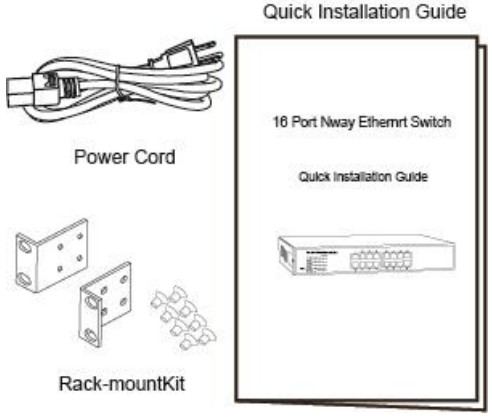
## Package Contents

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

- One Gigabit Ethernet Switch
- One AC Power Cord
- One Quick Installation Guide
- Rack-mount Kit for Rack Installation (Optional accessory)



16 Port Switch




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

## Front Panel (LEDs)

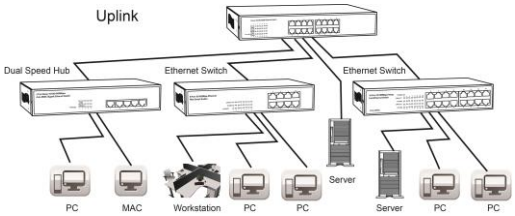
**LED Indicators of 16 Ports Gigabit Ethernet Switch**

| LED | Status | Description | No. Of LED |
|---|---|---|---|
| Power | On | Power on | Power |
| 1000M | On | Link 1000Mbps | 16 (1~16) |
| | off | Link 10/100Mbps | |
| Link/ ACT | On | Link | 16 (1~16) |
| | Flashing | Data activating | 16 (1~16) |

## Connections

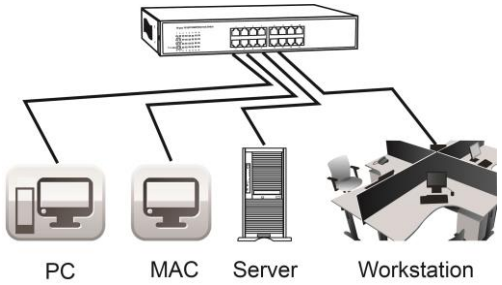
**Switch/Hub to this 16 Ports Gigabit Ethernet Switch**

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 16 Ports Gigabit Ethernet Switch**

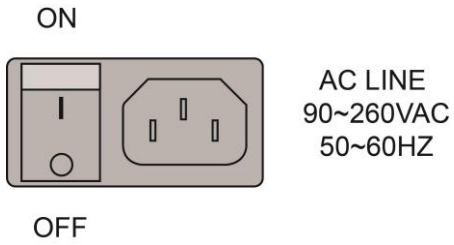
Via a twisted pair cable straight through, this switch can be connected to PCs, servers and other network devices.




## Rear Panel (Power)

**AC input**

AC input (90~260V/AC, 50~60Hz) UL Safety




## Technical Specifications

| | |
|---|---|
| **Standards** | **IEEE 802.3 10BaseT**<br>**IEEE 802.3u 100BaseTX**<br>**IEEE 802.3ab 1000BaseT**<br>**IEEE 802.3x Flow control** |
| **Features** | **Number of Ports: 16**<br>**MAC Address: 8K**<br>**Buffer Memory: 340 KB**<br>**Jumbo Frames: 9.6 KB**<br>**Method: Store and Forward** |
| **Filtering/ Forwarding Rates** | **1000Mbps port – 1,488,000pps**<br>**100Mbps port – 148,800pps**<br>**10Mbps – 14,880pps** |
| **Transmission Media** | **10BaseT Cat. 3, 4, 5 UTP/STP**<br>**100BaseTX Cat. 5 UTP/STP**<br>**1000BaseT Cat. 5E UTP/STP** |
| **LED Indicators** | **Per Port: LINK/ACT, 1000M**<br>**Per Unit: Power** |
| **Power Requirement** | **90~260V/AC, 50~60Hz** |
| **Power Consumption** | **12 Watts (Max)** |
| **Dimensions** | **266 × 161 × 44 mm (L x W x H)** |
| **Weight** | **2.1 kg** |
| **Operating Temperature** | **0 to 40℃** |
| **Storage Temperature** | **-20 to 90℃** |
| **Humidity** | **10 to 90% RH (non-condensing)** |
| **Certifications** | **FCC Class A, CE** |