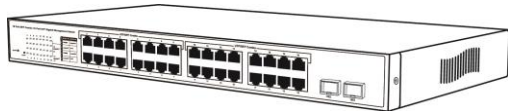


# NGS18T16

**Fiber Gigabit Switch**

**16-Port Combo UTP/SFP  
10/100/1000Mbps  
+ 2 Gigabit SFP Open Slot  
Web Management 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 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.

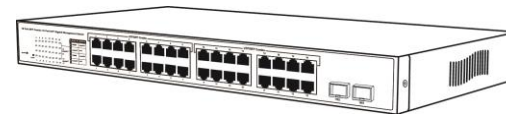
## Introduction

The Switch provides 16-port Combo UTP/SFP 10/100/1000Mbps and can support 2 Gigabit SFP open slot to uplink. It is designed for easy installation and high performance in an environment where traffic is on the network and the number of user increased continuously. With the newest Gigabit chip set, 19" Gigabit Ethernet switch can fully support highest speed without hanging on problem even when Full-Duplex full loaded.

The rack-mount 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 19" size can be rack-mount on 19" cabinet.

## Key Features

- Complies with the IEEE802.3 Ethernet, IEEE802.3u Fast Ethernet, IEEE 802.3ab/z Gigabit Ethernet Standards, IEEE 802.3ad, IEEE 802.1x, IEEE 802.1Q, IEEE 802.1d, IEEE 802.1w, IEEE 802.1p.....
- 18-Port Fiber Gigabit Switch : 16-Port Combo UTP/SFP 10/100/1000M Nway (Auto-negotiation) + 2 Gigabit SFP Open Slot, Web Management Switch
- 19" rack-mount size
- Auto-learn of networking configurations
- Auto-detect full/half-duplex modes for any Port
- Dedicated full-duplex 2000Mbps bandwidth
- Store-and-Forward switching methods
- Embedded 500K Bytes packet buffer
- Provides 8K MAC address entry
- 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



## Package Contents

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

- 18-port Fiber Gigabit Ethernet Switch
- Rack-mount Kit for Rack Installation
- One AC Power Cord
- One Quick Installation Guide
- CD (User Manual)



Power Cord



CD



Rack-mount Kit

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

## Front Panel (LEDs)

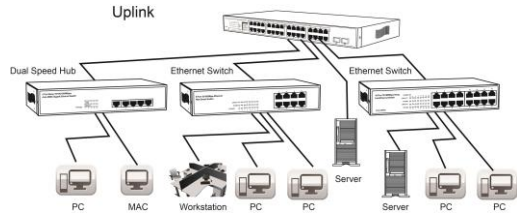
### **LED Indicators of 18 Ports Fiber Gigabit Web Management Ethernet Switch**

LED	Status	Description	No. Of LED
Power	On	Power on	Power
1000M	On	Link	UTP (1~16)
	Flashing	Data activating	
ACT	On	Link	SFP (1~16)
	Flashing	Data activating	
Link/ACT	On	Link	UTP (1~16) SFP (1~18)
	Flashing	Data activating	

## Connections

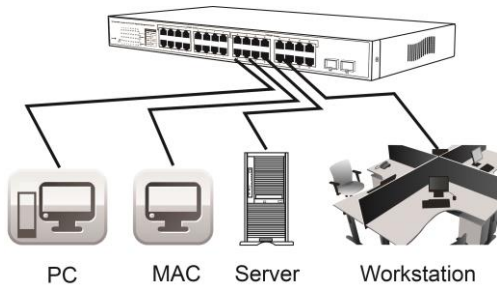
### Switch/Hub to this 18-Port Fiber Gigabit Ethernet Switch

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



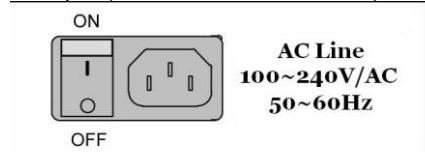
### PC/Other devices to this 18-Port Fiber Gigabit Ethernet Switch

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



### Rear Panel (Power)

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



## Technical Specifications

Standards	IEEE 802.3 10BaseT IEEE 802.3u 100BaseTX IEEE 802.3ab 1000BaseT IEEE 802.3z 1000BaseSX/LX IEEE 802.3x IEEE 802.3ad IEEE 802.1Q VLAN IEEE 802.1d STP IEEE 802.1w RSTP IEEE 802.1p QoS....
Features	Combo UTP/SFP ports: 16 Independent SFP Ports: 2 MAC Address: 8K Buffer Memory: 500 KB Jumbo Frames: 9 KB Method: Store and Forward
Filtering/ Forwarding Rates	1000Mbps port – 1,488,000pps 100Mbps port – 148,800pps 10Mbps – 14,880pps
Transmission Media	<b>UTP port:</b> 10/100/1000BaseT Cat. 5 or above UTP/STP, up to 100 m <b>(SFP Modules) 1000BaseSX:</b> 50/125µm Multi Mode Fiber optic cable, up to 220 m 62.5/125µm Multi Mode Fiber optic cable, up to 550 m <b>1000BaseLX:</b> 9/125µm Single Mode Fiber optic cable
LED Indicators	Per Port: LINK/ACT UTP (1~16) : 1000M SFP (1~16) : ACT Per Unit: Power
Power Requirement	100~240V/AC, 50~60Hz
Dimensions	440 x 220 x 44 mm (W*D*H)
Weight	3 kg
Operating Temperature	0 to 40°C
Storage Temperature	-20 to 90°C
Humidity	10 to 90% RH (non-condensing)
Certifications	FCC Class A, CE