



NGS18T16

(16 Combo UTP/SFP ports +2 SFP ports Rack-mount Gigabit Web Smart Ethernet Switch)

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Product Specification

Introduction

18T16 is 16 Combo UTP/SFP ports +2 SFP ports Rack-mount Gigabit Web Smart Ethernet Switch that is designed for medium or large network environment to strengthen its network connection. Including rack-mount brackets, the 19" size fits into your rack environment. It is a superb choice to boost your network with better performance and efficiency.

16 Combo SFP Open Slots

NGS18T16 supports 16 Combo SFP open slots to uplink to servers, storage, or other switching devices for longloop reach applications.

High-Speed Networking and Jumbo Frames Support

NGS18T16 provides an excellent solution for expanding your Gigabit network. By Gigabit speed, this product provides high flexibility and high bandwidth connectivity to servers, workstations and other attached devices. It enables you to save time transferring large files. In addition, it also supports Jumbo Frames 9.6K to improve network utilization of large file transfers.

Exceptionally Smart

NGS18T16 provides Smart features that are ideal for simple QoS/CoS applications and basic monitoring tools to improve network efficiency. Its security and management features, such as bandwidth control, and VLAN (IEEE802.1Q VLAN tagging and port-based VLAN) to secure your network. Through a Web-based interface, an administrator can set up VLANs to segregate traffic, QoS to prioritize mission-critical data and link aggregation to create fat traffic pipelines. In addition, NGS18T16 also supports Rapid Spanning Tree to detect and break unintentional cabling loops within the network. All of these features offer extra protection on the network edge. Best of all, the password-protected configuration interface can be accessed remotely.

Advanced Security

NGS18T16 supports specific MAC Addresses filtering for every port, and then only identifiers have the privilege to pass through the specific ports. On security, it also supports IEEE802.1x port authentication.

Enterprise-Class Web Management Utility

With graphic user interface, it's easy to manage, plan and configure NGS18T16 Rack-mount Gigabit Web Smart Ethernet Switch. This utility provides valuable tools, such as,

Configuration List:

The configuration features of the Web Management utility allows the system administrator to set the IP Address, the user name and the password of NGS18T16.

**Monitoring List and Statistic View:**

NGS18T16 can be monitored for every status by the system administrator. When an abnormal event occurs on the switch, messages can be set to notify the system administrator.

Maintenance List:

The system can easily maintain NGS18T16 by updating every status.

Auto-MDI/MDI-X

Every port can automatically sense your type of cable, so there is no need for crossover cables whether you are connecting this switch to another switch or to a computer.

Auto-Negotiation

Every port can automatically sense if the connected network devices are running at 10Mbps, 100Mbps or 1000Mbps and Half/Full-Duplex mode, and adjust accordingly.

Non-Blocking

This switch receives and forwards traffic seamlessly with its non-blocking wire-speed. Every port simultaneously supports up to 2000Mbps of bandwidth in full-duplex mode. This feature provides full wire speed to the connected devices and allows you to run a smooth network.

Store and Forward

By this function, this switch can maximize network performance while minimizing the propagation of bad network packets.

Specifications

Standards	IEEE 802.3 10BaseT IEEE 802.3u 100BaseTX IEEE 802.ab 1000BaseT IEEE 802.3x Full-duplex and Flow Control IEEE 802.1x Port-based Network Access Control IEEE 802.1Q VLAN IEEE 802.3ad Link Aggregation IEEE 802.1d Spanning Tree Protocol IEEE 802.1w Rapid Spanning Tree Protocol IEEE 802.1p Class of Service, Priority Protocols
Features	Number of Ports: 16 combo UTP/SFP +2G SFP slots MAC Address: 8K Buffer Memory: 500 KB Jumbo Frames: 9.6 KB Transmission Method: Store and Forward



Smart Features	Port Based VLAN/Tagged VLAN Trunk Groups: 8 Quality of Service: up to 4 queues IGMP Snooping LACP, RSTP MAC Filtering Rate Limiting (Ingress rate and Egress rate) 802.1x Port-based Network Access Control Management: Port Mirroring, Password-protected Access, Port Settings, Web-base Management, Graphic User Interface
Filtering/Forwarding Rates	1000Mbps port – 1,488,000pps 100Mbps port - 148,800pps 10Mbps port - 14,880pps
Transmission Media	10BaseT Cat. 3, 4, 5 UTP/STP 100BaseTX Cat. 5 UTP/STP 1000BaseT Cat. 5E UTP/STP
Led Indicators	Per Port: Link/Act, 1000M Per Unit: Power
Power Requirement	100~240V/AC, 50~60Hz
Power Consumption	20 Watts (Max)
Dimensions	440 × 220 × 44 mm (L x W x H)
Weight	3.0 kg
Operating Temperature	0 to 45°C
Storage Temperature	-20 to 90°C
Humidity	10 to 90% RH (non-condensing)
Certifications	FCC Class A, CE