

Netgear Prosafe GS510TP 8-Port 10/100/1000 POE Smart Switch with 2 Gigabit SFP Ports

Product Name: Netgear Prosafe GS510TP 8-Port 10/100/1000 POE Smart Switch with 2 Gigabit SFP Ports



Manufacturer: -

Model Number: GS510TP

Please Note: This product has been discontinued. Please see the Netgear Prosafe GS110TP as an alternative.

Netgear Prosafe GS510TP 8-Port 10/100/1000 POE Smart Switch with 2 Gigabit SFP Ports
The Netgear ProSafe 8-Port 10/100/1000 POE Smart Switch provides a compact solution that fits nicely into a situation where low-port density is desired for specific areas or extension of the network. It comes with 8 PoE-capable Gigabit copper ports to connect to your PoE end devices and two additional dedicated Gigabit Fiber ports for uplinks with greater distance. Plus, with the PoE Plus support, GS510TP is able to provide sufficient power for those power-hungry devices with up to 30w per port with a total power budget of 130w on the switch.

Netgear Prosafe 8-Port Gigabit POE Smart Switch Features

- Power-over-Ethernet (PoE)
- PoE Plus
- Traffic Management
- Advanced Security with 802.1x and ACL
- Auto Voice and Auto Video
- PoE Power Management
- PoE Timer
- Centralized Management via the New Smart Control Center

The Netgear Prosafe Smart Switch GS510TP is packed with powerful features capable of enhancing any type of business network.

The Prosafe 8-Port 10/100/1000 POE Smart Switch comes with a comprehensive set of features, such as enhanced VLAN and QoS, access control lists (ACL), 802.1x port authentication, rate limiting and IGMP snooping and many more, to provide businesses with networks that are geared for growth while ensuring performance and reliability.

Netgear Prosafe 8-Port Gigabit POE Smart Switch - Technical Specifications

Network Protocol and Standards Compatibility

- IEEE 802.3 10BASE-T
- IEEE 802.3u 100BASE-TX
- IEEE 802.3ab 1000BASE-T
- IEEE 802.3z 1000BASE-X
- IEEE 802.3x full-duplex flow control
- IEEE 802.3at (Power over Ethernet Plus)

Power Supply

- Power consumption: 147 W maximum
- 100-240VAC/50-60-Hz universal input
- PoE budget: 130W

Network Ports

- 8 10/100/1000 Mbps auto sensing Gigabit Ethernet

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• 2 SFP slots

Physical Specifications

• Dimensions: (W x D x H) 328 x 169 x 43 mm (12.91 x 6.65 x 1.7 in)
• Weight: 1.68 kg (3.7 lb)

Electromagnetic Emissions

• CE EN 55022, EN 61000 and EN 55024
• FCC Part 15 Class B
• VCCI Class B
• C-Tick

Environmental Specifications

• Operating temperature: 32° to 122° F (0° to 50° C)
• Storage temperature: -4° to 158° F (-20° to 70° C)
• Operating humidity: 90% maximum relative humidity, non-condensing
• Storage humidity: 95% maximum relative humidity, non-condensing
• Operating altitude: 10,000 ft (3,000 m) maximum
• Storage altitude: 10,000 ft (3,000 m) maximum

LEDs

• Per port (10/100 and Gigabit): Link/activity, speed
• Per device: Power, Fan, PoE Max
• Per PoE port: PoE Power, PoE fault

Status LEDs

• Per RJ45 port: Link/activity, speed, PoE status
• Per SFP port: Link/speed
• Per device: Power, PoE Max

Safety

• UL/cUL 60950-1
• CE EN 60950-1
• CCC
• CB
• KCC

System Requirements

• Category 5 UTP Network cables or above
• Network card for each PC
• Network software (e.g., Windows®)
• Web browser (e.g., Internet Explorer 6.0 or higher, Netscape 6.0 or higher)

Administrative Switch Management

• IEEE 802.1Q Static VLAN (64 groups, static)

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- IEEE 802.1p Class of Service (CoS)
- Port-based QoS
- DSCP-based QoS
- DiffServ
- IEEE802.3ad link aggregation (manual or LACP)
- IEEE 802.1D Spanning Tree Protocol (STP)
- IEEE 802.1w Rapid Spanning Tree Protocol (RSTP)
- IEEE 802.1s Multiple Spanning Tree Protocol (MSTP)
- IEEE 802.1ab Link Layer Discovery Protocol (LLDP)
- LLDP-MED
- SNMP v1, v2c, v3
- RFC 1213 MIB II
- RFC 1643 Ethernet interface MIB
- RFC 1493 bridge MIB
- RMON group 1, 2, 3, 9
- RFC 2131 DHCP client
- Voice VLAN
- Auto-VOIP
- DHCP Filtering
- Auto denial-of-service (DoS) protection
- HTTP and HTTPS
- Ping and traceroute
- Power saving when link down
- IEEE 802.1x
- Port-based security by locked MAC addresses
- IP and MAC ACL
- Storm control for broadcast, multicast and unknown unicast packets
- IGMP Snooping v1/v2/v3
- Protected Port
- PoE Timer
- Port-based ingress and egress rate limiting
- SNTP
- Port mirroring support (many to one)
- Web-based configuration
- Configuration backup/restore
- Password access control
- RADIUS Support
- TACACS+ support
- Syslog
- Firmware upgradeable

Performance Specifications

- Forwarding modes: Store-and-forward
- Bandwidth: 20 Gbps
- Network latency: $< 4 \mu s$ for 64-byte frames in store-and-forward mode for 1000 Mbps to 1000 Mbps transmission
- Buffer memory: 512KBytes per system
- Address database size: 4,000 media access control (MAC) addresses per system
- Addressing: 48-bit MAC address
- Mean time between failures (MTBF): 458,124 hours at 25C (~52.3 years)
- Acoustic noise: <38 dBA

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Modules

- AGM731F 1000BASE-SX SFP Module
- AGM732F 1000BASE-LX SFP Module
- AGM733 1000BASE-ZX SFP Module

Warranty

- NETGEAR Lifetime Warranty

Package Contents

- ProSafe® 8-port Smart Switch with 2 Gigabit SFP Ports (GS510TP)
- Rubber footpads
- Power cord
- Rack-mount kit
- Resource CD
- Installation guide

Price: £206.20