Netgear Prosafe GS516TP 16-Port Gigabit PoE/PoE+ Smart Switch (8 Ports of PoE)

Product Name: Netgear Prosafe GS516TP 16-Port Gigabit PoE/PoE+ Smart Switch (8 Ports of PoE)
Manufacturer: -
Model Number: GS516TP

Netgear Prosafe GS516TP 16-Port Gigabit PoE/PoE+ Smart Switch (8 Ports of PoE)
The Netgear Prosafe GS516TP 16-Port Gigabit PoE/PoE+ Smart Switch (8 Ports of PoE) offers powerful L2 and L2+ features, better PoE functions, and enhanced performance and usability. They are purposely designed for the converged networks where voice, video, data are all carried on a single network platform for network efficiency, operational cost savings, and ease of management. There are four products in this series, 16/28/52-port Gigabit with PoE and a 28-port Gigabit with PoE Plus. GS516TP is the Smart Switch with PoE/PD features. It can work as PD device that can get power from other PSE device through port 15 or/and port 16. Meanwhile, it can also deliver power to other PDs that are connected to its PoE ports (port 1 to 8).
Netgear Prosafe GS516TP Key Features

ï¿½ Gigabit Speed with all ports capable of support either PoE or PoE+
ï¿½ Auto Voice VLAN for fast and reliable deployment of VoIP
ï¿½ Auto Video VLAN, following the same concept of Auto Voice, help speed up your deployment of IP-based surveilliance system
ï¿½ Static routing, helps to route internal traffic for more efficient use of network resources
ï¿½ IGMP and MLD snooping, providing advanced multicast filtering

Netgear Prosafe GS516TP - Technical Specifications
Performance Specification

ï¿½ Forwarding modesStore-and-forward
ï¿½ 4 Priority queues
ï¿½ Priority queuingWeighted Round Robin (WRR) MAC Address database size8,000 media access control (MAC) addresses
ï¿½ Addressing 48-bit MAC address
ï¿½ 1K Multicast groups
ï¿½ 32 Static Routes
ï¿½ 15 Routed VLANs
ï¿½ 1024 ARP Cache entries
ï¿½ 8K DHCP snooping bindings
ï¿½ 1024 DHCP static entries
ï¿½ 480 rules shared for MAC, IP and IPv6 ACLs
ï¿½ Packet size of 9k for Jumbo frame support

Network Security

ï¿½ IEEE 802.1x
ï¿½ Guest VLAN
ï¿½ RADIUS based VLAN assignment via .1x
ï¿½ MAC-based .1x
ï¿½ Network Storm Protection
ï¿½ Broadcast, Unicast, Multicast Protection

L2 Services - VLANs

ï¿½ IEEE 802.1Q VLAN Tagging
ï¿½ Video VLAN

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ï¿½ Voice VLAN - Based on phones OUI bytes (internal database, or usermaintained) or protocols (SIP, H323 and SCCP)

L2 Services - Availability

ï¿½ IEEE 802.3ad - LAGs LACP ((8 LAGS with max. of 8 members in each LAG))
ï¿½ Broadcast Storm Control
ï¿½ IEEE 802.3x (Full Duplex and flow control)
ï¿½ IEEE 802.1D Spanning Tree Protocol
ï¿½ IEEE 802.1w Rapid Spanning Tree
ï¿½ IEEE 802.1s Multiple Spanning Tree

L2 Services - Multicast Filtering

ï¿½ IGMP Snooping (v1, v2 and v3)
ï¿½ MLD Snooping Support (v1 and v2)
ï¿½ IGMP Snooping queriers
ï¿½ Block unknown Multicast

L3 Services - DHCP

ï¿½ DHCP Client
ï¿½ DHCP Snooping

L3 Services - IPv4 Routing

ï¿½ Static Routing
ï¿½ VLAN Routing

Network Monitoring and Discovery Services

ï¿½ 802.1ab LLDP
ï¿½ SNMP V1, V2, V3
ï¿½ RMON 1,2,3,9

Network Traffic

ï¿½ Access Control Lists (ACLs)L2 / L3 / L4
ï¿½ IP-based ACLs (IPv4 and IPv6)
ï¿½ MAC-based ACL
ï¿½ TCP/UDP-based ACL
ï¿½ MAC lockdown
ï¿½ MAC lockdown by the number of MACs
ï¿½ IEEE 802.1x Radius Port Access Authentication
ï¿½ Port Security
ï¿½ DHCP Snooping
ï¿½ PoE Timer

Quality of Service (QoS)

ï¿½ Access Lists
ï¿½ L2 MAC, L3 IP and L4 Port ACLs
ï¿½ Ingress rate limiting

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ï¿½ Egress rate limiting
ï¿½ Support for IPv6 fields
ï¿½ DiffServ QoS
ï¿½ IEEE 802.1p COS
ï¿½ Dst MAC and IP
ï¿½ IPv4 and v6 DSCP
ï¿½ IPv4 and v6 TOS
ï¿½ WRR (Weighted Round Robin)
ï¿½ Strict Priority queue technology
ï¿½ Auto-VoIP Yes, based on protocols (SIP, H323 and SCCP) or on OUI bytes (default database and user-based OUIs) in the phone source MAC address
ï¿½ Auto Video
ï¿½ Port Mirroring

Package Content

ï¿½ ProSAFE Gigabit PoE/PoE+ Smart Switch
ï¿½ Power cord
ï¿½ Rack-mounting kit
ï¿½ Resource CD with links to online documentation, installation guides, Web-management user manual, Smart Control Center (SCC) software and user guide.

Please Enquire