NETGEAR®
BUSINESS

Data Sheet | **GS510TLP, GS510TPP, GS418TPP**

Gigabit PoE+ Smart Switches

Smart Switches just got more powerful and flexible

As a leading provider of network equipment for SMBs, NETGEAR® understands the importance of providing great choice of PoE port counts and power budgets that can adapt to the business's needs, whether in the hospitality, catering, education or retail domains.

The GS510TLP 8-Port Gigabit Smart Switch with PoE+ and 2 SFP Ports joins the NETGEAR Standalone Smart Switches family, adding full 8 port PoE+ support for deployment of modern high-power PoE devices. Cautious spender organizations can now deploy denser PoE+ devices connected to a cost-effective switch, with a reasonable PoE power budget of 75W. Fan-less, the GS510TLP supports perfectly silent desktop operation or rack mounting.

Organizations who buy infrastructure for the long term and want future proofing for the unforeseeable can require GS510TPP 8-Port Gigabit Smart Switch with PoE+ and 2 SFP Ports: 190W PoE budget offers more headroom. Temperature- and load-based fan-speed control combines accurate monitoring with minimized system acoustic noise: unlike other high power PoE switches on the market, the GS510TPP supports quiet desktop operation or rack mounting with a maximum of 32dB at full power and 25°C (77°F) ambient.

The GS418TPP Easy Mount 16-Port Gigabit Smart Switch with PoE+ and 2 SFP Ports is future-proof with 240W of PoE budget and ideal for "Virtually Anywhere™" deployments. Slim design (3.94 inches, 10 cm deep) and mounting accessories allow for access point, IP camera or VoIP endpoint placement optimization and cabling efficiency even outside the rack. The GS418TPP supports Easy Mount quiet operation or rack mounting with a maximum of 33dB at full power and 25°C (77°F) ambient

Highlights

The NETGEAR PoE+ Gigabit Smart Switches provides a great value, with configurable L2 network features like VLANs and PoE operation scheduling, allowing SMB customers to deploy PoE-based VoIP phones and IP surveillance. Advanced features such as IPv4/IPv6 Layer 3 static routing, DiffServ QoS, LACP link aggregation and Spanning Tree will satisfy even the most advanced small business networks.

Key features include:

- Layer 3 static routing with 32 routes (IPv4 and IPv6) for interVLAN local routing
- Advanced VLAN support for better network segmentation
- L2/L3/L4 access control lists (ACLs) for granular network access control including 802.1x port authentication
- Advanced per port PoE controls for remote power management of PoE connected devices including operation scheduling (e.g. Wireless APs, IP security cameras, LED lighting, secure access door locks, IoT devices…)
- Advanced QoS (Quality of Service) for traffic prioritization including port-based, 802.1p and L2/L3/L4 DSCP-based

Key features include (con't):

- Auto "denial-of-service" (DoS) prevention
- IGMP Snooping and Querier for multicast optimization
- Rate limiting and priority queuing for better bandwidth allocation
- Port mirroring for network monitoring
- Energy Efficient Ethernet (IEEE 802.3az) for maximum power savings
- Cable test to troubleshoot connection issues
- SNMP v1, v2c, v3 and RMON remote monitoring

Build a future-proof network with NETGEAR:

- Solid performance with 20Gbps (GS510TLP, GS510TPP) and 36Gbps (GS418TPP) non-blocking architecture, 16K MAC addresses, 256 VLANs, 100 shared ACLs and 512 Multicast groups
- Comprehensive IPv6 supporting management, QoS, ACL and routing, ensuring investment protection and a smooth migration to IPv6-based network
- PoE+ support on all models and on all ports, providing flexibility in the future to add more power-hungry devices such as video phone, PTZ camera and 11ac Wireless APs into the network
- 2 Dedicated SFPs, not only providing fiber uplinks, but also uplink redundancy and failover, improving reliability and availability for the network

Smart IT, not Big IT

- Easy-to-use Web browser-based management GUI with English, German and Japanese support makes setup and management simple
- Standards-based technology ensures interoperability with any standards-based devices in the existing network
- Dual firmware images improve reliability and uptime to your network
- Worry-free with NETGEAR Limited Lifetime* hardware warranty
- Minimal down-time with NETGEAR Limited Lifetime* Next-Business-Day Replacement Warranty
- Get deployment assistance with 90-days Free 24x7 Advanced Technical Phone Support**
- Limited Lifetime* Online Chat Technical Support

Why NETGEAR PoE+ Smart Switches?

The new standalone GS510TLP, GS510TPP and GS418TPP switches are designed with varying PoE port counts and PoE power budgets to meet the current and future needs of wireless converged networks. Within small and medium-sized organizations, there is growing adoption of PoE devices such as VoIP phones, IP security cameras, wireless access points, proximity sensors, LED lighting, door locks, and other IoT devices that require network switches capable of supporting dense PoE installations. Wireless access points and pan-tilt-zoom HD cameras using Wave 2 802.11ac Wi-Fi also require PoE+ power (802.3at), increasing the power demands on PoE switches.

"PoE devices are putting a strain on switching power demands." As a leading provider of network equipment for SMBs, NETGEAR understands the importance of providing great choice of PoE port counts and PoE power budgets that can adapt to the business's needs, whether in the hospitality, catering, education or retail domains.

These switches provide a great value, with configurable L2 network features like VLANs and PoE operation scheduling. Advanced features such as IPv4/IPv6 Layer 3 static routing, DiffServ QoS, LACP link aggregation and Spanning Tree will satisfy even the most advanced small business networks.

Hardware at a Glance

	FRONT					REAR	SIDE
Model Name	Form-Factor	10/100/ 1000BASE-T RJ45 Ports	100/1000X Fiber SFP Ports	PoE+ 802.3at Ports (Budget)	Power Supply	Power Supply	Fans
GS510TLP	Desktop (Rackmount kit)	8	2	8 PoE+ (75W)	-	1 internal PSU, fixed	Fanless
GS510TPP	Desktop (Rackmount kit)	8	2	8 PoE+ (190W)	-	1 internal PSU, fixed	1 internal fan, fixed
GS418TPP	Easy Mount (Rackmount kit)	16	2	16 PoE+ (240W)	1 internal PSU, fixed		1 internal fan, fixed

GS510TLP: 8-port Gigabit PoE+ Smart Switch

- 8 x 1000BASE-T PoE+ Copper ports
- 2 x 1000BASE-X Dedicated Fiber SFP ports
- 75W PoE budget (fan-less, 0dB)

GS510TPP: 8-port Gigabit PoE+ Smart Switch

- 8 x 1000BASE-T PoE+ Copper ports
- 2 x 1000BASE-X Dedicated Fiber SFP ports
- 190W PoE budget (max 32dB @ 25°C / 77°F ambient)

GS418TPP: 16-port Gigabit PoE+ Easy-Mount Smart Switch

- 16 x 1000BASE-T PoE+ Copper ports
- 2 x 1000BASE-X Dedicated Fiber SFP ports
- 240W PoE budget (max 33dB @ 25°C / 77°F ambient)

Rackmount kit

Mount for attachment to a wall, or rectangular pole

Velcro Straps

Rubber Belts

Secure placement is facilitated above drop-down ceilings, in air passageways and where other switches will not go, vertical or horizontal, flat or perpendicular.

Software at a Glance

LAYER 2+ / LAYER 3 LITE FEATURES							
Management	IPv4/IPv6 ACL and QoS	IPv4/IPv6 Multi-cast Filtering	Auto-VoIP, Auto-Video	IEEE (802.3az) Energy Efficient Ethernet	VLANs	Convergence	IPv4 & IPv6 Static Routing
Web Browser-based GUI (HTTP/HTTPS), PC-Based Smart Control Center Utility (SCC) RMON, SNMP	L2, L3, L4 Ingress	IGMP and MLD Snooping	Yes	Yes	Static, Dynamic, Voice, MAC, Protocol-based, and Private	LLDP-MED, RADIUS, 802.1X	Yes

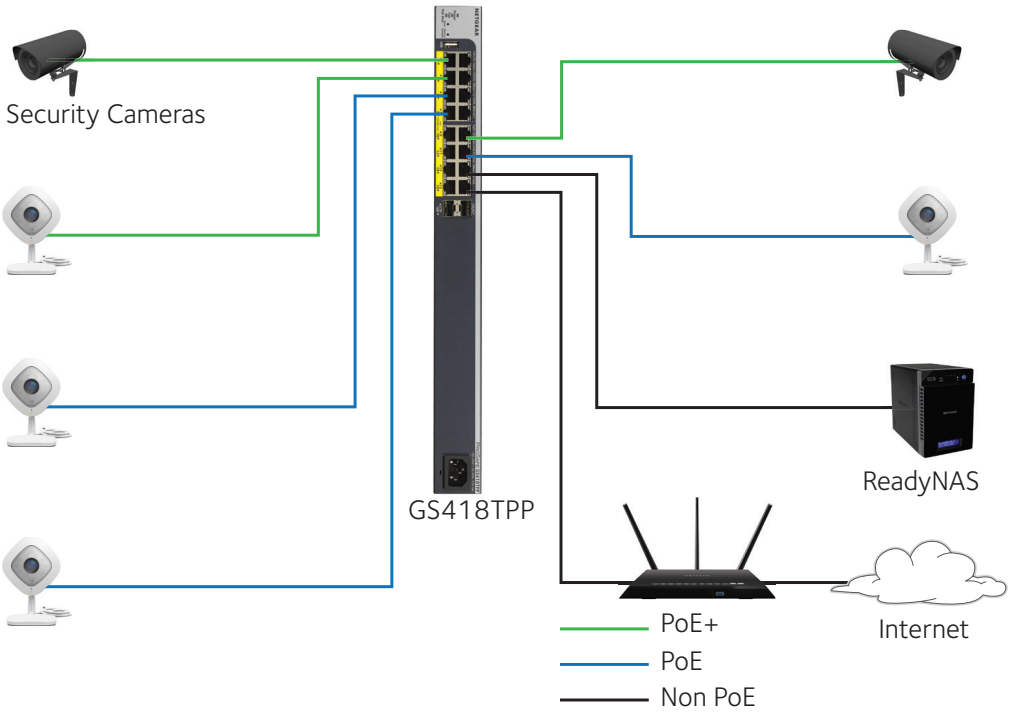
Performance at a Glance

Model Name	Packet Buffer	CPU	ACLs	MAC Address Table ARP/NDP Table VLANs	Fabric	Latency (64-byte Packet)	Static Routes (IPv4 & IPv6)	Multicast IGMP Groups
GS510TLP	1.5MB	400 MHz Cortex-A9 Single Core, 512MB RAM 16MB SPI + 256MB NAND FLASH	100 shared	16K MAC 479 ARP/223 NDP 256 VLANs	20Gbps line-rate	1G Copper: <3.313µs 1G Fiber: <2.402µs	IPv4: 32 IPv6: 32	512
GS510TPP	1.5MB	400 MHz Cortex-A9 Single Core, 512MB RAM 16MB SPI + 256MB NAND FLASH	100 shared	16K MAC 479 ARP/223 NDP 256 VLANs	20Gbps line-rate	1G Copper: <3.313µs 1G Fiber: <2.402µs	IPv4: 32 IPv6: 32	512
GS418TPP	1.5MB	400 MHz Cortex-A9 Single Core, 512MB RAM 16MB SPI + 256MB NAND FLASH	100 shared	16K MAC 479 ARP/223 NDP 256 VLANs	36Gbps line-rate	1G Copper: <3.195µs 1G Fiber: <2.395µs	IPv4: 32 IPv6: 32	512

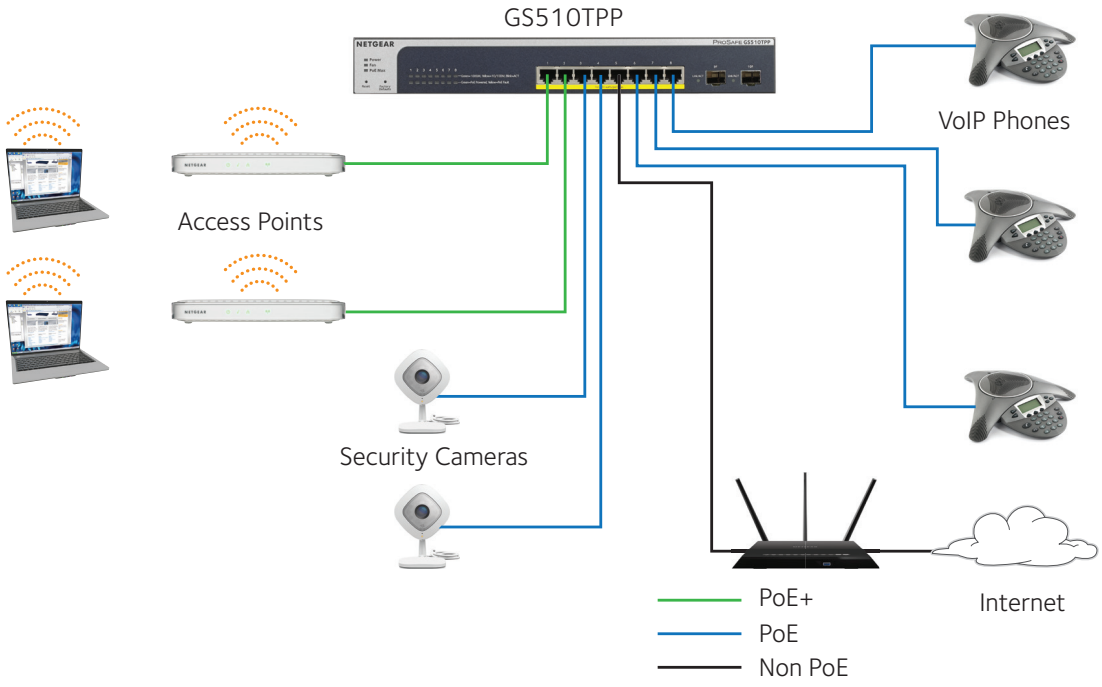
Features and Benefits: Hardware Features	
1000BASE-T Copper Ethernet PoE+ connections	Support high-density VoIP, Surveillance and Wi-Fi AP deployments, scalable for future growth. Never face the risk of running out of PoE ports.
1000BASE-X Fiber SFP ports	Two dedicated Gigabit SFP ports for aggregation to the network core. Support for Fiber and Copper modules.
Low Acoustics	Fan-less design, or temperature- and load-based fan-speed control allow for quiet operation in both desktop or rackmount configuration.
Energy Efficient Ethernet (IEEE 802.3az)	Maximum power reduction for ongoing operation cost savings.
Software Features	
Comprehensive IPv6 Support for Management, ACL and QoS	Build current network with future in mind. Ensure investment protection and a smooth migration to an IPv6-based network without switch replacement.
IPv4 & IPv6 Static Routing	A simple way to provide segmentation of the network with internal routing through the switch – reserving the router for external traffic routing only, making the entire network more efficient.
Robust security features: • 802.1x authentication (EAP) • Port-based security by locked MAC • ACL filtering to permit or deny traffic based on MAC and IP addresses	Build a secured, converged network with all types of traffic by preventing external attacks and blocking malware while allowing secure access for authorized users.
Comprehensive QoS features: • Port-based or 802.1p-based prioritization • Layer 3-based (DSCP) prioritization • Port-based egress rate limiting	Advanced controls for optimized network performance and better delivery of mission-critical traffic such as voice and video.
Auto-VoIP, Auto-Voice VLAN, and Auto-Video VLAN	Automatic Voice over IP prioritization (Auto-VoIP) simplifies most complex multi-vendor IP telephone deployments either based on protocols (SIP, H.323 and SCCP) or on OUI bytes (default database and user-based OUIs) in the phone source MAC address, providing the best class of service to VoIP streams (both data and signaling) over other ordinary traffic by classifying traffic, and enabling correct egress queue configuration. Similarly, Auto-Video VLAN enables IGMP snooping to minimize broadcast streams.
IGMP Snooping and MLD Snooping	Facilitate fast receiver joins and leaves for multicast streams. Save cost and improve network efficiency by ensuring multicast traffic only reaches designated receivers without the need of an extra multicast router.
Protected Ports	Ensure no exchange of unicast, broadcast, or multicast traffic between the protected ports on the switch, thereby improving the security of your converged network. This allows your sensitive phone phone conversations to stay private and your surveillance video clips can be forwarded to their designated storage device without leakage or alteration.
DHCP Snooping	Ensure IP address allocation integrity by only allowing DHCP messages from trusted DHCP servers and dropping malformed DHCP messages with a port or MAC address mismatch.
Dynamic VLAN Assignment (RADIUS)	IP phones and PCs can authenticate on the same port but under different VLAN assignment policies. Users are free to move around and enjoy the same level of network access regardless of their physical location on the network.
Dual Firmware Images and Configuration Files	Dual firmware images and dual configuration files for transparent firmware updates/configuration changes with minimum service interruption.
Multiple Language Local GU	Product documentation and local-only web user interfaces are translated, giving you the ability to select your preferred language. English, German and Japanese are currently supported in local-only Web GUI.

Example Application

Easy-Mount PoE+ Switch



PoE+ Desktop Switch



Technical Specifications	GS510TLP	GS510TPP	GS418TPP
10M/100M/1G RJ-45 copper ports	8	8	16
PoE / PoE+ ports	8 PoE+ (75W PoE budget)	8 PoE+ (190W PoE budget)	16 PoE+ (240W PoE budget)
100M/1G SFP (fiber) ports	2 (dedicated)	2 (dedicated)	2 (dedicated)
USB port (for config file upload/backup & firmware updates)	No	No	Yes
Performance Specification			
CPU	400 MHz Cortex-A9 Single Core, 512MB RAM 16MB SPI + 256MB NAND FLASH		
Packet buffer memory (Dynamically shared across only used ports)	1.5 MB		
Forwarding modes	Store-and-forward		
Bandwidth	20Gbps		
Priority queues	8		
Priority queuing	Weighted Round Robin (WRR) and Strict Priority		
MAC Address database size (48-bit MAC addresses)	16K		
Multicast Groups	512		
Number of IPv4 static routes	32		
Number of IPv6 static routes	32		
Number of ARP/NDP cache entries	256		
Number of VLANs	479 ARP / 223 NDP		
Number of DHCP snooping bindings	8K		
Access Control Lists (ACLs)	100 shared for MAC, IP and IPv6 ACLs		
Packet forwarding rate (64 byte packet size) (Mfps or Mpps)	14.88	14.88	26.78
Jumbo frame support	Up to 9K packet size		
Acoustic noise level @ 25° C (dBA) (ANSI-S10.12)	0 dBA	32 dBA	33 dBA
Mean Time Between Failures (MTBF) @ 25° C	913,368 hours	1,509,979 hours	1,364,013 hours
100M Copper Latency (64-byte; 1518-byte; 9216-byte frames)	8.725µs ; 8.119µs ; 8.119µs	8.725µs ; 7.933µs ; 8.119µs	7.457µs ; 7.494µs ; 7.416µs
1G Copper Latency (64-byte; 1518-byte; 9216-byte frames)	3.313µs ; 3.293µs ; 3.293µs	3.313µs ; 3.322µs ; 3.293µs	3.195µs ; 3.198µs ; 3.176µs
1G Fiber Latency (64-byte; 1518-byte; 9216-byte frames)	2.402µs ; 2.372µs ; 2.372µs	2.402µs ; 2.405µs ; 2.372µs	2.395µs ; 2.402µs ; 2.376µs
L2 Services - VLANS			
IEEE 802.1Q VLAN tagging	Yes		
IP-based VLANs	Yes		
MAC-based VLANs	Yes		
Auto-VoIP VLAN / Auto-Voice VLAN	Yes, based on OUI bytes (default database and user-based OUIs) in the phone source MAC address		
Auto-VoIP	Yes, based on protocols (SIP, H.323 and SCCP). Prioritzes traffic to a higher queue		

L2 Services - VLANS	GS510TLP	GS510TPP	GS418TPP
Voice VLAN	Yes, based on either VLAN ID or 802.1p priority, packets are passed onto the connecting VoIP phone using LLDP-MED		
Auto-Video VLAN	Yes		
Private VLAN	Yes		
L2 Services - Availability			
Broadcast, multicast, unknown unicast storm control	Yes		
IEEE 802.3ad - LAGs (LACP)	Yes		
IEEE 802.3x (full duplex and flow control)	Yes		
IEEE 802.1D Spanning Tree Protocol	Yes		
IEEE 802.1w Rapid Spanning Tree Protocol	Yes		
IEEE 802.1s Multiple Spanning Tree Protocol	Yes		
Layer 2 DHCP Relay	Yes		
L2 Services - Multicast Filtering			
IGMP snooping (v1, v2 and v3)	Yes		
MLD snooping support (v1 and v2)	Yes		
IGMP snooping queries	Yes		
Multicast VLAN Registration (MVR)	Yes		
Block unknown multicast	Yes		
L3 Services - DHCP			
DHCP client	Yes		
DHCP snooping	Yes		
L3 Services - Routing			
IPv4 static routes	32		
IPv6 static routes	32		
VLAN routing	Yes		
Host ARP table (number of entries)	479 ARP / 223 NDP		
ICMP Router Discovery Protocol (IRDP)	Yes		
Number of IP VLAN interfaces (routed VLANs)	15		
Link Aggregation			
IEEE 802.3ad - LAGs (LACP)	Yes		
Manual Static LAG	Yes		
# of Static or LACP LAGs # of members in each LAG	5 LAGs with max 8 members in each LAG	5 LAGs with max 8 members in each LAG	9 LAGs with max 8 members in each LAG
Network Monitoring and Discovery Services			
802.1ab LLDP	Yes		
SNMP	v1, v2c, v3		
RMON group 1,2,3,9	Yes		

Network Security	GS510TLP	GS510TPP	GS418TPP
IEEE 802.1x		Yes	
Guest VLAN		Yes	
RADIUS-based VLAN assignment via .1x		Yes	
MAC-based .1x		Yes	
RADIUS accounting		Yes	
Access Control Lists (ACLs)		L2 / L3 / L4 ingress	
IP-based ACLs (IPv4 and IPv6)		Yes	
MAC-based ACLs		Yes	
TCP/UPD-based ACLs		Yes	
MAC lockdown		Yes	
MAC lockdown by the number of MACs		Yes	
Control MAC # Dynamic learned entries		4096	
Control MAC # static entries		96	
IEEE 802.1x RADIUS port access authentication		Yes	
Port-based security by locked MAC addresses		Yes	
Dynamic ARP inspection		Yes	
Broadcast, multicast, unknown unicast storm control		Yes	
DoS attacks prevention		Yes	
Quality of Service			
Port-based rate limiting		Yes egress	
Port-based QoS		Yes	
Support for IPv6 fields		Yes	
DiffServ QoS		Yes ingress	
IEEE 802.1p COS		Yes	
Destination MAC and IP		Yes	
IPv4 and v6 DSCP		Yes	
IPv4 and IPv6 ToS		Yes	
TCP/UDP-based		Yes	
Weighted Round Robin (WRR)		Yes	
Strict priority queue technology		Yes	
Auto-VoIP VLAN / Auto-Voice VLAN		Yes, based on OUI bytes (default database and user-based OUIs) in the phone source MAC address	
Auto-VoIP		Yes, based on protocols (SIP, H.323 and SCCP). Prioritzes traffic to a higher queue	
Voice VLAN		Yes, based on either VLAN ID or 802.1p priority, packets are passed onto the connecting VoIP phone using LLDP-MED	
Auto-Video VLAN		Yes	

IEEE Network Protocols	GS510TLP	GS510TPP	GS418TPP
• IEEE 802.3 Ethernet • IEEE 802.3u 100BASE-T • IEEE 802.3ab 1000BASE-T • IEEE 802.3af PoE • IEEE 802.3at PoE+ • IEEE 802.3az Energy Efficient Ethernet (EEE) • IEEE 802.3ad Trunking (LACP) • IEEE 802.3z Gigabit Ethernet 1000BASE-SX/LX		• IEEE 802.3x Full-Duplex Flow Control • IEEE 802.1Q VLAN Tagging • IEEE 802.1AB LLDP with ANSI/TIA-1057 (LLDP-MED) • IEEE 802.1p Class of Service • IEEE 802.1D Spanning Tree (STP) • IEEE 802.1s Multiple Spanning Tree (MSTP) • IEEE 802.1w Rapid Spanning Tree (RSTP) • IEEE 802.1x RADIUS Network Access Control	
Management			
Password management		Yes	
Configurable management VLAN		Yes	
Admin access control via RADIUS and TACACS+		Yes	
IPv6 management		Yes	
SNTP client over UDP port 123		Yes	
SNMP v1/v2c		Yes	
SNMP v3 with multiple IP addresses		Yes	
RMON group 1,2,3,9		Yes	
Port mirroring		Yes	
Many-to-one port mirroring		4	
Web browser-based graphical user interface (GUI)		Yes (English, German and Japanese supported)	
Smart Control Center (SCC) for multi-switch management		Yes	
Dual software (firmware) image		Yes	
Dual configuration file		Yes	
Cable test utility		Yes	
SSL/HTTPS Web-based access (version)		Yes (v3)	
TLS Web-based access (version)		Yes (v1.0)	
File transfers (uploads, downloads)		TFTP / HTTP	
HTTP upload/download (firmware)		Yes	
Syslog (RFC 3164)		Yes	
USB port for firmware and config upload /download	No	No	Yes
LEDs			
Per port		Speed, Link, Activity	
Per device		Power and Fan	
Physical Specifications			
Dimensions (W x D x H)	328 x 169 x 43 mm (12.9 x 6.7 x 1.7 in)	328 x 169 x 43 mm (12.9 x 6.7 x 1.7 in)	440 x 100 x 43 mm (17.3 x 3.9 x 1.7 in)
Weight	1.74 kg (3.84 lb)	1.83 kg (4.03 lb)	2.14 kg (4.72 lb)

Power Consumption	GS510TLP	GS510TPP	GS418TPP
Max power (worst case, all ports used, full PoE, line-rate traffic) (Watts)	101 W	225 W	282.3 W
Max power without PoE (worst case, all ports used, line-rate traffic) (Watts)	10.5 W	12.5 W	17.8 W
Heat Dissipation (worst case, all ports used, full PoE, line-rate traffic) (BTU/hr)	344.81 BTU/hr	768.15 BTU/hr	963.77 BTU/hr
Energy Efficient Ethernet (EEE) IEEE 802.3az	Yes (deactivated by default)		
Fan	Fan-less	1	1
Environmental Specifications			
Operating			
Operating Temperature	0° to 50°C (32° to 122°F)		
Humidity	90% maximum relative humidity (RH), non-condensing		
Altitude	10,000ft (3,000m) maximum		
Storage			
Storage Temperature	-20° to 70°C (- 4° to 158°F)		
Humidity (relative)	95% maximum relative humidity, non-condensing		
Altitude	10,000ft (3,000m) maximum		
Electromagnetic Emissions and Immunity Certifications			
Certifications	CE: EN 55032:2012+AC:2013/CISPR 32:2012, EN 61000-3-2:2014, Class A, EN 61000-3-3:2013, EN 55024:2010 VCCI : VCCI-CISPR 32:2016, Class A RCM: AS/NZS CISPR 32:2013 Class A CCC: GB4943.1-2011; YD/T993-1998; GB/T9254-2008 (Class A) FCC: 47 CFR FCC Part 15, Class A, ANSI C63.4:2014 ISED: ICES-003:2016 Issue 6, Class A, ANSI C63.4:2014 BSMI: CNS 13438 Class A		
Safety Certifications	90% maximum relative humidity (RH), non-condensing		
Certifications	CB report / certificate IEC 60950-1:2005 (ed.2)+A1:2009+A2:2013 UL listed (UL 1950)/cUL IEC 950/EN 60950 CE LVD: EN 60950-1: 2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 RCM (AS/NZS) 60950.1:2015 CCC (China Compulsory Certificate): GB4943.1-2011; YD/T993-1998; GB/T9254-2008 (Class A) BSMI: CNS 14336-1		
Warranty and Support			
Hardware Limited Warranty	Limited Lifetime* (excluding mounting hardware, belts or straps)		
24x7 Online Chat Technical Support	Limited Lifetime*		
Next-Business-Day (NBD) Replacement	Limited Lifetime*		
ProSUPPORT OnCall 24x7, Service Packs**	Category S2: PMB0S12-10000S PMB0S32-10000S PMB0S52-10000S	Category 1: PMB0311 (1 yr) PMB0331 (3 yrs) PMB0351 (5 yrs)	Category 1: PMB0311 (1 yr) PMB0331 (3 yrs) PMB0351 (5 yrs)

Package Contents	
All Models	NETGEAR Smart Switch Power cord (localized to country of sale) Rackmount kit Rubber footpads for tabletop installation Installation guide
Easy-Mount additional options (GS418TPP)	Mount for attachment to a wall, or rectangular pole Rubber belts Velcro straps Power cord locker

Ordering Information	
GS510TLP-100NES	North America, Latin America and Europe
GS510TLP-100AJS	Asia Pacific and Australia
GS510TLP-100PRS	China
GS510TLP-100INS	India
GS510TPP-100NES	North America, Latin America and Europe
GS510TPP-100AJS	Asia Pacific and Australia
GS510TPP-100PRS	China
GS510TPP-100INS	India
GS418TPP-100NES	North America, Latin America and Europe
GS418TPP-100AJS	Asia Pacific and Australia
GS418TPP-100PRS	China
GS418TPP-100INS	India

Optional Modules and Accessories	
AGM731F	SFP Transceiver 1000BASE-SX (Short range, multimode)
AGM732F	SFP Transceiver 1000BASE-LX (Long range, single mode)
AGM734-10000S	SFP Transceiver 1000BASE-T Copper RJ45 GBIC

*This product comes with a limited warranty that is valid only if purchased from a NETGEAR authorized reseller, and covers unmodified hardware, fans and internal power supplies – not software or external power supplies, and requires product registration at https://www.netgear.com/business/registration within 90 days of purchase; see https://www.netgear.com/about/warranty for details. Intended for indoor use only.

**The NETGEAR OnCall 24x7 contract provides unlimited phone, chat and email technical support for your networking product.

† NETGEAR #1 in US Market Share according to NPD data for Unmanaged and Smart Switches, September 2019. NETGEAR #1 in Europe Market Share according to Context data for Unmanaged and Smart Switches, September 2019.

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D-GS510TLP/GS510TPP/GS418TPP-18Jan21