

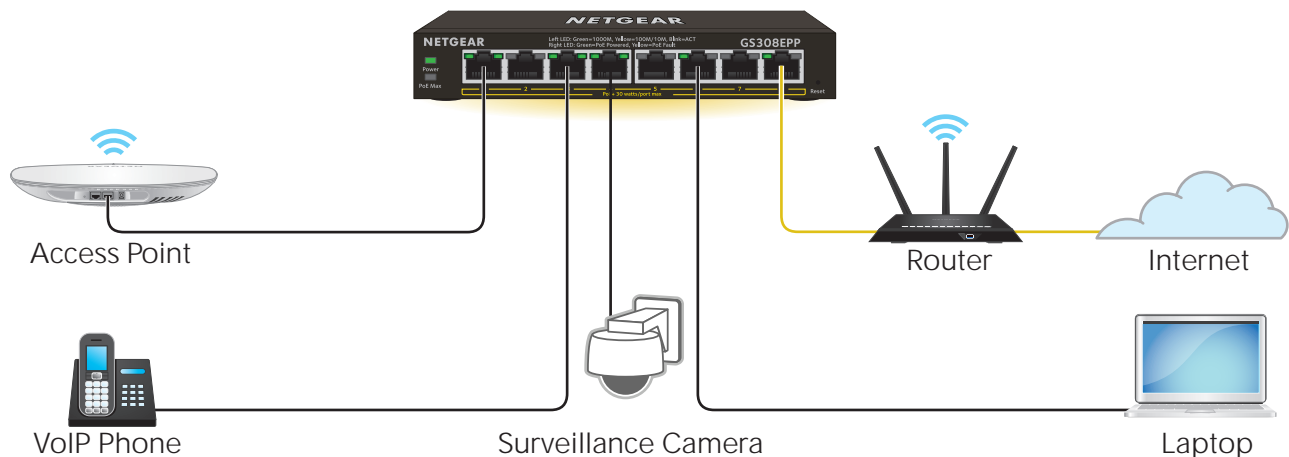
## Control and Configure Beyond Plug-and-Play Connectivity

NETGEAR Smart Managed Plus Switches with PoE meet business networks growing needs by providing fundamental network features including simplified VLANs, QoS and IGMP Snooping, that will help optimize the performance of the network. Smart Managed Plus Switches are the perfect upgrade from an Unmanaged switch, delivering essential networking features at a very affordable price. The GS305EP/GS305EPP with 4 PoE+ ports and GS308EP/GS308EPP models with 8 PoE+ ports support Power-over-Ethernet (PoE) and can power devices such as VoIP phones, surveillance IP cameras, wireless access points and many other IoT devices. These new Smart Managed Plus switch models include NETGEAR Uninterruptable PoE to ensure PoE devices stay powered on even during a firmware update or soft reset of the switch. The new and improved business-friendly GUI allows easy management and simple configuration.

## Highlights

- Enable network configuration and management which is unavailable in an Unmanaged switch, for only a slight premium
- Simple, yet useful network setup in addition to plug-and-play connectivity
- Business-friendly and easy-to-use web browser-based management GUI
- VLAN support for traffic segmentation
- Quality of Service (QoS) for traffic prioritization
- Auto "Denial-of-Service" (DoS) prevention
- Troubleshoot connection issues with features like cable test and port mirroring
- Loop detection and broadcast storm controls
- Rate limiting for better bandwidth allocation
- Jumbo frame support
- Advanced per port PoE controls including power cycle and manual power limit overrides
- Uninterrupted PoE keeps PoE power on even when the switch is updating firmware or performing software reboot
- 802.3at PoE+ standard supporting up to 30W per port
- Fanless design with versatile mounting options (desktop and wall-mountable)

### Small Office/Home Office Network Diagram



## Technical Specifications

Features	GS305EP	GS305EPP	GS308EP	GS308EPP
10/100/1000 RJ45 Copper Ports (Auto Uplink)	5	5	8	8
Enclosure	Metal	Metal	Metal	Metal
Connector Type	Metal	Metal	Metal	Metal
<b>PoE</b>				
# of PoE ports	4	4	8	8
# PoE+ 802.3at Ports	4	4	8	8
Total PoE/PoE+ Budget	63W	120W	62W	123W
Uninterrupted PoE	Yes	Yes	Yes	Yes
<b>Performance Specification</b>				
Forwarding modes	Store-and-forward			
Bandwidth	10Gbps	10Gbps	16Gbps	16Gbps
Max MAC entries	4K	4K	4K	4K
Buffer Size	192KB	192KB	192KB	192KB
Energy Efficient Ethernet (IEEE 802.3az) compliant	Yes	Yes	Yes	Yes
Priority queuing	WRR	WRR	WRR	WRR
Jumbo frame support	9,216 bytes	9,216 bytes	9,216 bytes	9,216 bytes
Acoustic noise level @ 25° C (dBA) (ANSI-S10.12)	0	0	0	0
Mean Time Between Failures (MTBF) @ 25° C	1,164,104 hours	853,770 hours	859,126 hours	842,428 hours
<b>L2 Services - VLANS</b>				
VLAN (# Supported)	64	64	64	64
IEEE 802.1Q VLAN Tagging	Yes	Yes	Yes	Yes
Port-based VLANs	Yes	Yes	Yes	Yes
<b>L2 Services - Availability</b>				
Link Aggregation/Port Trunking	Yes	Yes	Yes	Yes
Number of Static Manual LAGs and # of members	2/4	2/4	2/4	2/4
<b>L2 Services - Multicast Filtering</b>				
IGMP snooping (v1, v2, and v3)	Yes	Yes	Yes	Yes
Block unknown multicast	Yes	Yes	Yes	Yes
Supported Multicast groups	128	128	128	128
<b>L3 Services - DHCP</b>				
DHCP client	Yes	Yes	Yes	Yes

## Technical Specifications

Quality of Service	GS305EP	GS305EPP	GS308EP	GS308EPP
Rate Limiting	Yes	Yes	Yes	Yes
DSCP	Yes	Yes	Yes	Yes
IEEE 802.1p COS	Yes	Yes	Yes	Yes
Port-based VLAN	Yes	Yes	Yes	Yes
WRR (Weighted Round Robin)	Yes	Yes	Yes	Yes
Strict Priority queue technology	No	No	No	No
<b>IEEE Network Protocols</b>				
<ul style="list-style-type: none"> <li>• IEEE 802.3 Ethernet</li> <li>• IEEE 802.3ab 1000BASE-T</li> <li>• IEEE 802.3u 100BASE-T</li> <li>• IEEE 802.3ab 1000BASE-T</li> <li>• IEEE 802.1p Class of Service</li> </ul>	<ul style="list-style-type: none"> <li>• IEEE 802.1Q VLAN Tagging</li> <li>• IEEE 802.3x Full-duplex Flow Control</li> <li>• IEEE 802.3af PoE</li> <li>• IEEE 802.3at PoE+</li> </ul>			
<b>Management</b>				
System Password	Yes	Yes	Yes	Yes
Web browserbased management GUI	Yes	Yes	Yes	Yes
PC Utility	No	No	No	No
One-to-one Port Mirroring	Yes	Yes	Yes	Yes
Cable Test Utility	Yes	Yes	Yes	Yes
Config upload (to server)	Yes	Yes	Yes	Yes
<b>LEDs</b>				
Per port	Speed, Link, Activity, PoE			
Per device	Power, system, PoE Max			
<b>Physical Specifications</b>				
Dimensions (W x D x H)	158 x 101 x 27 mm (6.2 x 4.0 x 1.1 in)	158 x 101 x 27 mm (6.2 x 4.0 x 1.1 in)	158 x 101 x 27 mm (6.2 x 4.0 x 1.1 in)	158 x 101 x 27 mm (6.2 x 4.0 x 1.1 in)
Weight	0.39 kg (0.86 lb)	0.40 kg (0.88 lb)	0.49 kg (1.08 lb)	0.49 kg (1.08 lb)
<b>Environmental Specifications</b>				
Operating				
Operating temperature	32° to 104°F (0° to 40°C)			
Humidity (relative)	90% maximum relative humidity (RH), non-condensing			
Altitude	10,000 ft (3,000 m) maximum			
Storage				
Storage temperature	- 4° to 158°F (-20° to 70°C)			
Humidity (relative)	95% maximum relative humidity (RH), non-condensing			
Altitude	10,000 ft (3,000 m) maximum			

## Technical Specifications

### Electromagnetic Emissions and Immunity

Certifications	CE mark, commercial FCC Part 15 class B CE/EN55032/24 VCCI ACMA CSA safety KC BSMI
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### Warranty and Support

Hardware Warranty (All Except China/India)	5-year warranty
China/India	1-year warranty
External Power Adapter Warranty	2-year warranty
Technical Support (online, phone)	90 days free of Technical Support with registration
ProSUPPORT OnCall 24x7 Service Plans	Category S1: PMB0S11-10000S PMB0S31-10000S PMB0S51-10000S

### Package Contents

All Models	NETGEAR Smart Managed Plus Switch Power adapter (power cable varies by region) Wall installation kit Rubber feet Installation guide
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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.

<sup>†</sup>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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