



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

Today's growing businesses rely more on their network to carry out critical business activities. The deployment of VoIP and IP surveillance requires network intelligence to separate voice and video traffic from data and prioritize them accordingly. However, small companies may not have the resources or advanced training to deal with complex managed switches.

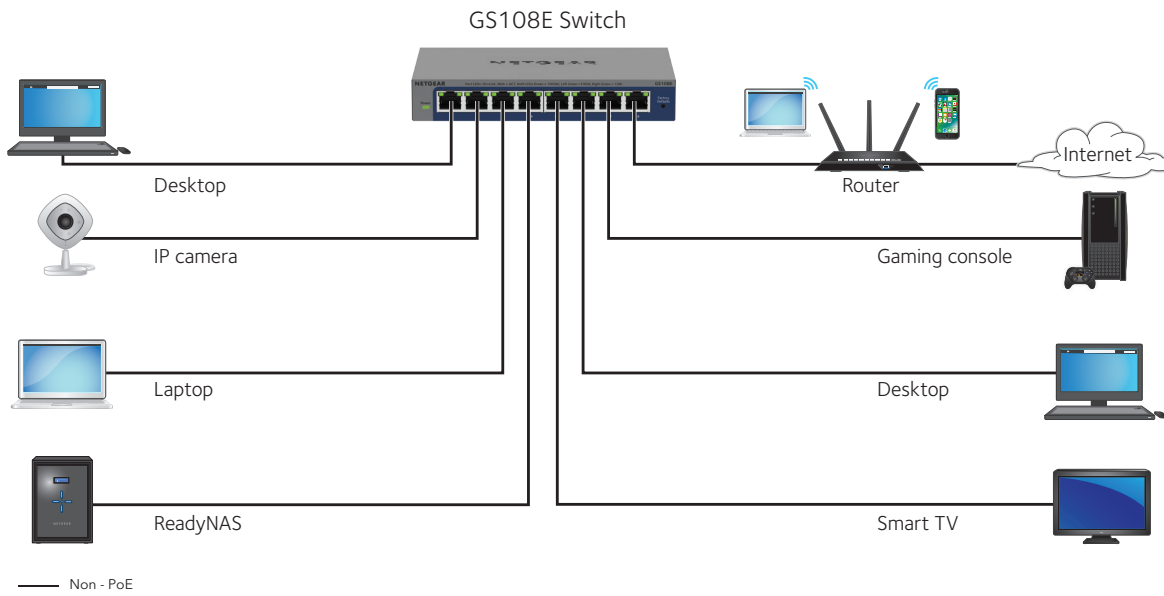
NETGEAR® Plus Switches meet this growing need by providing fundamental network features such as VLANs, QoS, and IGMP Snooping that will help optimize the performance of business networks. Plus Switches are the perfect upgrade from the plug-and-play unmanaged switch, delivering essential networking features at a very affordable price.

## Highlights

- Enable network configuration and management at the price point of Unmanaged Switches
- Simple, yet useful network set-up on top of plug-and-play connectivity
- Flexible management via easy-to-use web browser-based management GUI or using the PC-based Utility application
- VLAN support for traffic segmentation
- Quality of Service (QoS) for traffic prioritization
- Auto "denial-of-service" (DoS) prevention
- Troubleshoot connection issues via cable test
- Loop detection and broadcast storm controls
- Rate limiting for better bandwidth allocation
- Port mirroring for network monitoring
- Jumbo frame support
- Web Interface with multiple language option<sup>1</sup>
- Limited Lifetime\* Hardware Warranty (excludes external power adapters on applicable models)
- Lifetime 24/7 Chat Technical Support\*
- Next-Business-Day Hardware Replacement\*

## Example Application

### Small Office/Home Office Network Diagram



## GS100 Series Comparison

Features	GS105E	GS108E
Gigabit ports	5	8
Max MAC entries	2K	4K
Buffer Size	128KB	192KB
Energy Efficient Ethernet (IEEE 802.3az) compliant	Yes	Yes
<b>Performance Specification</b>		
Forwarding modes	Store-and-forward	
Bandwidth	10Gbps	16Gbps
Priority queuing	Weighted Round Robin (WRR)	
Jumbo frame support	Up to 9K packet size	
Acoustic noise level @ 25° C (dBA) (ANSI-S10.12)	0	0
Mean Time Between Failures (MTBF) @ 25° C	2,531,294 hours	2,463,431 hours
<b>L2 Services - VLANs</b>		
VLAN (# Supported)	64	64
IEEE 802.1Q VLAN Tagging	Yes	Yes
Port-based VLANs	Yes	Yes
<b>L2 Services - Availability</b>		
Link Aggregation/Port Trunking	No	No
Number of Static Manual LAGs and # of members	N/A	N/A
<b>L2 Services - Multicast Filtering</b>		
IGMP snooping (v1, v2, and v3)	Yes	Yes
Block unknown multicast	Yes	Yes
Supported Multicast groups	128	128
<b>L3 Services - DHCP</b>		
DHCP client	Yes	Yes
<b>Quality of Service</b>		
Rate Limiting	Yes	Yes
DSCP	Yes	Yes
IEEE 802.1p COS	Yes	Yes
Port-based VLAN	Yes	Yes
TOS	Yes	Yes
WRR (Weighted Round Robin)	Yes	Yes
Strict Priority Queue Technology	Yes	Yes

## GS100 Series Comparison

IEEE Network Protocols	GS105E	GS108E
	IEEE 802.3 Ethernet IEEE 802.3ab 1000BASE-T IEEE 802.3u 100BASE-T IEEE 802.3ab 1000BASE-T IEEE 802.1p Class of Service IEEE 802.1Q VLAN Tagging IEEE 802.3x Full-duplex Flow Control	
<b>Management</b>		
System Password	Yes	Yes
Web browserbased management GUI	Yes	Yes
PC Utility	Yes	Yes
Port Mirroring	Yes	Yes
Max number of source ports allowed (many-to-one port mirroring)	4	7
Many-to-one Port Mirroring	Yes	Yes
Cable Test Utility	Yes	Yes
FW Upgrade Thru Plus Utility (TFTP)	Yes	No
Config download (to Switch) thru Plus Utility	Yes	Yes
Config upload (to server)	Yes	Yes
<b>LEDs</b>		
Per port	Speed, Link, Activity	
Per device	Power, system	
<b>Power Consumption</b>		
DC Input/Power In	External (12V/0.5A)	
Power Consumption (Maximum)	2.6W	
Heat Dissipation (Maximum and Standby) (BTU/Hr)	Max: 15.22 BTU/hr Min: 4.92 BTU/hr	Max: 8.9 BTU/hr Min: 2.2 BTU/hr
<b>Physical Specifications</b>		
Dimensions (W x D x H)	94 x 100 x 27 mm (3.7 x 3.9 x 1.1 in)	158 x 101 x 29 mm (6.2 x 4 x 1.1 in)
Weight	0.25kg	0.5kg

## GS100 Series Comparison

Environmental Specifications	GS105E	GS108E
<b>Operating</b>		
Operating temperature	32° to 122°F (0° to 50°C)	32°F to 104°F (0° to 40°C)
Humidity (relative)	90% maximum relative humidity (RH), non-condensing	
Altitude	10,000 ft (3,000 m) maximum	
<b>Storage</b>		
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	
<b>Electromagnetic Emissions and Immunity</b>		
Certifications	CE mark, commercial FCC Part 15 class B ICES-003 Class B CE/EN55032/24 VCCI KC BSMI RCM	
<b>Warranty and Support</b>		
All Except China	Limited Lifetime warranty	
Technical Support (online, phone)	90 days free from date of purchase*	
ProSUPPORT OnCall 24x7 Service Plans	Category S1: PMBOS11-10000S PMBOS31-10000S PMBOS51-10000S	

\*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.

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

NETGEAR and the NETGEAR Logo are trademarks of NETGEAR, Inc. in the United States and/or other countries. Other brand names mentioned herein are for identification purposes only and may be trademarks of their respective holder(s). Information is subject to change without notice. ©NETGEAR, Inc. All Rights reserved.