





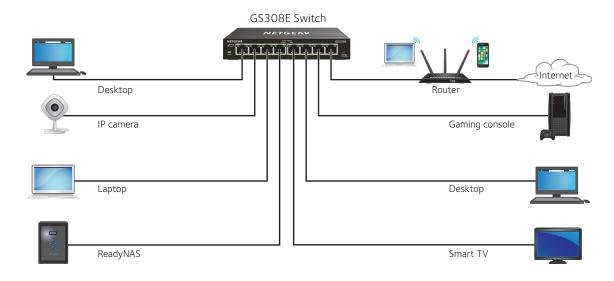
Expanding Wired Connectivity for SOHO Networks

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

Small Office/Home Office Network Diagram





GS300 Series Comparison

Features	GS305E	GS308E		
Gigabit ports	5	8		
Max MAC entries	8K	4K		
Buffer Size	128KB	192KB		
Energy Efficient Ethernet (IEEE 802.3az) compliant	Yes	Yes		
Performance Specification				
Forwarding modes	Store-an	Store-and-forward		
Bandwidth	10Gbps	16Gbps		
Priority queuing	Weighted Round Robin (\	Weighted Round Robin (WRR), Strict Priority, or both		
Jumbo frame support	Up to 9K	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	1,638,156 hours		
L2 Services - VLANS				
VLAN (# Supported)	64	32		
IEEE 802.1Q VLAN Tagging	Yes	Yes		
Port-based VLANs	Yes	Yes		
L2 Services - Availability				
Link Aggregation/Port Trunking	No	No		
Number of Static Manual LAGs and # of members	N/A	N/A		
L2 Services - Multicast Filtering				
IGMP snooping (v1, v2, and v3)	Yes	Yes		
Block unknown multicast	Yes	Yes		
Supported Multicast groups	128	128		
L3 Services - DHCP				
DHCP client	Yes	Yes		
Quality of Service				
Rate Limiting	Yes	Yes		
DSCP	Yes	No		
IEEE 802.1p COS	Yes	Yes		
Port-based VLAN	Yes	Yes		
TOS	Yes	No		
WRR (Weighted Round Robin)	Yes	Yes		
Strict Priority queue technology	Yes	Yes		



GS300 Series Comparison

IEEE Network Protocols	GS305E	GS308E		
 IEEE 802.3 Ethernet IEEE 802.3ab 1000BASE-T IEEE 802.3u 100BASE-T IEEE 802.3ab 1000BASE-T 	 EEE 802.1p Class of Service IEEE 802.1Q VLAN Tagging IEEE 802.3x Full-duplex Flow Control 			
Management				
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	Yes		
Config download (to Switch) thru Plus Utility	Yes	Yes		
Config upload (to server)	Yes	Yes		
LEDs				
Per port	Speed, Link, Activity			
Per device	Power, system			
Physical Specifications				
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		
Environmental Specifications				
Operating				
Operating temperature	32° to 122°F (0° to 50°C)	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 humid	95% maximum relative humidity (RH), non-condensing		
Altitude	10,000 ft (3,000 m	10,000 ft (3,000 m) maximum		
Electromagnetic Emissions and Immunity				
Certifications	CE mark, commercial FCC Part 15 class B CE/EN55032/24 VCCI			

ACMA



GS300 Series Comparison

Warranty and Support	GS305E	GS308E	
All Except China	5-year warranty		
China	1-year warranty		
Technical Support (online, phone)	90 days free from date of purchase*		
ProSUPPORT OnCall 24x7 Service Plans	Category S1: PMB0S11-10000S PMB0S31-10000S PMB0S51-10000S		

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^{&#}x27;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.