





Technical Specifications

Features	GS305v1	GS305v3	GS308v1	GS308v3
				
10/100/1000Mbps Ports (Auto Uplink)	5	5	8	8
Enclosure	Metal	Metal	Metal	Metal
Connector Type	Plastic	Metal	Plastic	Metal
Form Factor	Desktop or wall-mountable	Desktop or wall-mountable	Desktop or wall-mountable	Desktop or wall-mountable
Power On/Off Switch	No	No	Yes	Yes
PERFORMANCE SPECIFICATIONS				
Bandwidth (Non-Blocking)	10 Gbps	10 Gbps	16 Gbps	16 Gbps
Packet Buffer Memory (Dynamically shared across only used ports)	128 KB	128 KB	128 KB	128 KB
Jumbo Frame Support	9,216 bytes	9,216 bytes	9,216 bytes	9,216 bytes
Queue WRR (Weighted Round Robin) Ratio	1:2:4:8	1:2:4:8	1:2:4:8	1:2:4:8
Forwarding Rate (using 64-byte packets) - 1000Mbps Port	1,448,000 pps	1,448,000 pps	1,448,000 pps	1,448,000 pps
Latency (using 64-byte packets) - 1000Mbps Port (average)	< 2.6 µsec	< 2.6 µsec	< 2.6 µsec	< 2.6 µsec
MAC Address Table Size	2K	2K	8K	8K
Auto MDI/MDI-X Cable Detection	Yes	Yes	Yes	Yes
Auto-sensing Half/Full Duplex Switched Ports	Yes	Yes	Yes	Yes
Mean Time Between Failures (MTBF) @ 25° C	3,831,422 hours	3,831,422 hours	3,711,898 hours	3,711,898 hours
LEDS				
Per port	Link/Activity	Link/Activity	Link/Activity	Link/Activity
Per device	Power	Power	Power	Power
QUALITY OF SERVICE (QOS)				
802.1P Based (CoS) Supported	Yes	Yes	Yes	Yes
Honors DSCP (DiffServ) Tags	Yes	Yes	Yes	Yes
POE CONFIGURATION				
802.3af PoE Ports	n/a	n/a	n/a	n/a
PoE Max Power Per Port	n/a	n/a	n/a	n/a
Total PoE Power Budget**	n/a	n/a	n/a	n/a
POWER/CONSUMPTION				
DC Input/Power In	5V / 0.7A	5V / 0.7A	12V / 0.5A	12V / 0.5A
Power Consumption (Max and Standby)	2.34W / 0.45W	2.15W / 0.31W	3.52W / 0.57W	3.04W / 0.36W
Heat Dissipation (Max and Standby) (BTU/Hr)	8.00 BTU / 1.54 BTU	7.35 BTU / 1.06 BTU	12.04 BTU / 1.95 BTU	10.40 BTU / 1.06 BTU
ENERGY EFFICIENCY				
Energy Efficient Ethernet (EEE) IEEE 802.3az compliant	Yes	Yes	Yes	Yes
Auto Power Down	Yes	Yes	Yes	Yes
Short Cable Detection	Yes	Yes	Yes	Yes
Fan/Fanless	Fanless	Fanless	Fanless	Fanless
PHYSICAL SPECIFICATIONS				
Dimensions (W x D x H)	101 x 94 x 29 mm (4.0 x 3.7 x 1.1 in)	101 x 94 x 29 mm (4.0 x 3.7 x 1.1 in)	158 x 101 x 26 mm (6.2 x 4.0 x 1.0 in)	158 x 101 x 29 mm (6.2 x 4.0 x 1.1 in)
Weight	0.24 kg (0.53 lb)	0.25 kg (0.55 lb)	0.38 kg (0.84 lb)	0.39 kg (0.86 lb)
ENVIRONMENTAL SPECIFICATIONS				
Operating				
Operating temperature	0° to 40°C (32° to 104°F)			
Humidity (relative)	90% maximum relative humidity (RH), non-condensing			

Altitude	10,000 ft (3,000 m) maximum			
Storage				
Storage temperature	-20° to 70°C (-4° to 158°F)			
Humidity (relative)	95% maximum relative humidity (RH), non-condensing			
ELECTROMAGNETIC EMISSIONS AND IMMUNITY				
Certifications	CE Mark, FCC Part 15 Class B, IC Class B, RCM, VCCI	CE Mark, FCC Part 15 Class B, IC Class B, RCM, VCCI	CE Mark, FCC Part 15 Class B, IC Class B, RCM, CCC, VCCI	CE Mark, FCC Part 15 Class B, IC Class B, RCM, CCC, VCCI, KC
SAFETY				
Certifications	CB, CE LVD	CB, CE LVD	CB, CE LVD, CCC	CB, CE LVD, CCC
IEEE NETWORK PROTOCOLS				
<ul style="list-style-type: none"> • IEEE 802.3ab 1000BASE-T Gigabit Ethernet • IEEE 802.3u 100BASE-TX Fast Ethernet • IEEE 802.3i 10BASE-T Ethernet • IEEE 802.3x Flow Control • IEEE 802.1p Priority QoS (all models) • IEEE 802.1p Priority QoS and DSCP (except GS308P, GS316) 				
WARRANTY AND SUPPORT*				
All Except China/India	3-year Warranty			
China/India	1-year Warranty			
Technical Support (online, phone)	90 days free from date of purchase*			
ProSUPPORT OnCall 24x7 Service Plans	PMB0311-10000S (1 yr) PMB0331-10000S (3 yrs) PMB0351-10000S (5 yrs)			

Actual SKU availability may vary per region. Please check the local website for product availability.

* 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

** Maximum PoE power supplied is 15.4W per port, but not to exceed 53W total power supplied across all PoE connected devices.

† NETGEAR #1 in US Market Share according to NPD data for Unmanaged and Web/Smart Switches, August 2018. NETGEAR #1 in Europe Market Share according to Context data

NETGEAR, the NETGEAR logo are trademarks and/or registered trademarks of NETGEAR, Inc. and/or its subsidiaries 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. © 2019 NETGEAR, Inc. All rights