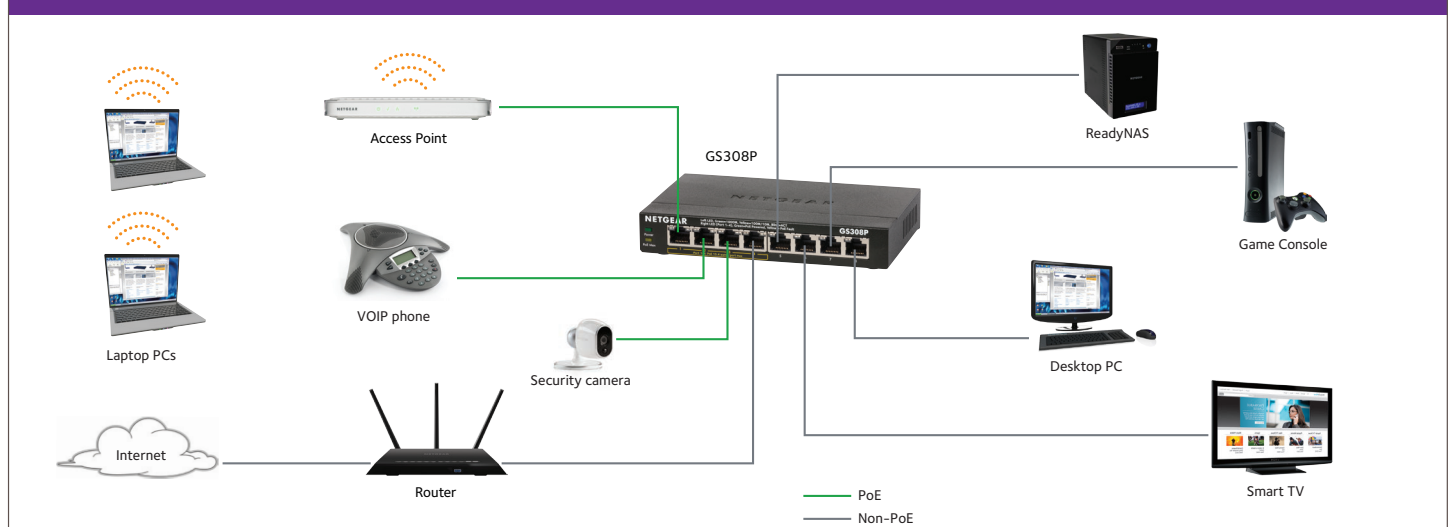


Expanding Wired Connectivity for SOHO Networks

NETGEAR 300 Series Gigabit Ethernet Unmanaged Switches provide easy, reliable, and affordable network connectivity for home and small offices. With these unmanaged plug-and-play switches, you can expand your network connections to multiple devices instantly. The GS305P and GS308P with Power-over-Ethernet (PoE) provides power and data from a single Ethernet (CAT-5) cable to devices such as IP cameras, VoIP/Internet-based phones, wireless access points, etc.

- Auto-MDI/MDIX eliminates the need for crossover cables
- LED indicators for ease of use
- Energy-efficient technology for power savings
- Fanless design for silent operation
- Auto-negotiation for automatic connection at the highest common speed between switch and an end device
- Non-blocking switching architecture for maximum throughput at wire speed
- 802.1p QoS for traffic/frame prioritization
- Plug-and-play; no setup required
- Durable and rugged metal case
- Ideal for small office and home networks
- Standards-based technology ensures interoperability with any standards-based devices in the existing network
- Power up to 4 PoE-capable devices (GS305P and GS308P)
- 802.3af Power Over Ethernet (PoE) for IP cameras, VoIP/Internet-based phones, wireless access points (GS305P and GS308P)

SMALL OFFICE/HOME OFFICE NETWORK DIAGRAM



5-Port/8-Port Gigabit 300 Series

Features	GS305	GS308	GS305P	GS308P
10/100/1000Mbps Ports	5	8	5	8
ENCLOSURE	Metal	Metal	Metal	Metal
CONNECTOR TYPE	Plastic	Plastic	Metal	Metal
PERFORMANCE				
Bandwidth	10 Gbps	16 Gbps	10 Gbps	16 Gbps
Buffer Memory	128KB	128KB	128KB	192KB
Jumbo Frames	9,216 bytes	9,216 bytes	9,216 bytes	9,720 bytes
Forwarding Rate (using 64-byte packets)	1,448,000 pps	1,448,000 pps	1,448,000 pps	1,448,000 pps
Latency (using 64-byte packets, 1 Gbps connectivity)	< 2.6 µsec	< 2.6 µsec	< 2.4 µsec	<3.0 µsec
MAC Address Table Size	2K	8K	2K	4K
POE SUPPORT				
802.3af PoE Ports	N/A	N/A	Ports 1-4	Ports 1-4
PoE Max Power Per Port	N/A	N/A	up to 15.4W	up to 15.4W
Total PoE Power Budget**	N/A	N/A	up to 55.5W	up to 53W
ENERGY EFFICIENCY				
Energy Efficient Ethernet (EEE) IEEE 802.3az	Yes	Yes	Yes	Yes
Auto Power Down	Yes	Yes	Yes	Yes
Short Cable Detection	Yes	Yes	Yes	Yes
DC Input	5V / 0.7A	12V / 0.5A	48V / 1.25A	48V / 1.25A
Power Consumption (Max and Standby)	2.34W / 0.45W	3.52W / 0.57W	60.0W / 0.96W	60.0W / 0.28W
Power On/Off Switch	No	Yes	No	No
Heat Dissipation (Max and Standby)	7.99 BTU/1.53 BTU	12 BTU/1.95 BTU	205.20 BTU/3.28 BTU	205.20 BTU/ 0.96 BTU
PORT LEDS	Power, Link/Activity	Power, Link/Activity	Power, Link/Activity (Left), Ports 1-4: PoE Power (Right)	Power, Link/Activity (Left), Ports 1-4: PoE Power (Right)
PHYSICAL SPECIFICATIONS				
Width x Depth x Height	101 x 94 x 29 mm	158 x 101 x 26 mm	158 x 101 x 29 mm	158 x 101 x 29 mm
Weight	0.24 kg	0.38 kg	0.41 kg	0.46 kg
ENVIRONMENTAL SPECIFICATIONS				
Operating Temperature	0° to 40°C			
Storage Temperature	-20° to 70°C			
Operating Humidity	90% maximum relative humidity, non-condensing			
Storage Humidity	5% to 95% relative humidity			

STANDARDS

- 802.3ab 1000BASE-T Gigabit Ethernet
- 802.3u 100BASE-TX Fast Ethernet
- 802.3i 10BASE-T Ethernet
- 802.3x Flow Control
- 802.1p Priority QoS (all models)
- 802.1p Priority QoS and Honors DSCP tags (GS305, GS308)
- 802.3 CSMA/CD
- 802.3az Energy Efficient Ethernet

WARRANTY*

- 3-year warranty

* This product comes with a limited warranty that is valid only if purchased from a NETGEAR authorized reseller, and modifications to product may void the warranty; see <http://www.netgear.com/about/warranty/> for details. Warranty is 1 year in China. 24/7 basic technical support provided for 90 days from purchase date when purchased from a NETGEAR authorized reseller.

** Maximum PoE power supplied is 15.4W per port, but not to exceed 53W for the GS308P and 55.5W for the GS305P total power supplied across all PoE connected devices.

† NETGEAR #1 in US Market Share according to NPD data for Unmanaged and Web/Smart Switches, February 2017.

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