

*In North America Market Share according to NPD, April 2015

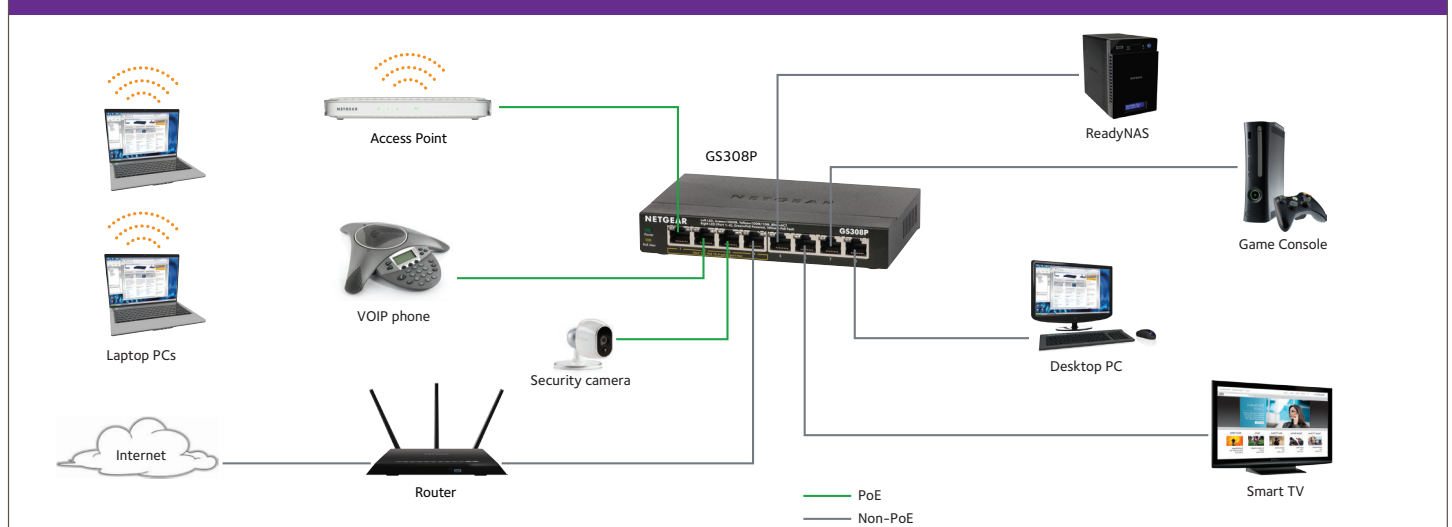


Expanding Wired Connectivity for SOHO Networks

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 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
- Desktop or wall-mountable; GS324 is also rack-mountable (rack-mount kit included)
- 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 (15.4W per device up to 53W total PoE power) (GS308P only)
- 802.3af Power Over Ethernet (PoE) for IP cameras, VoIP/Internet-based phones, wireless access points (GS308P only)

SMALL OFFICE/HOME OFFICE NETWORK DIAGRAM



| FEATURES | GS305 | GS308 | GS308P | GS316 | GS324 |
|--|---|------------------------|--|-------------------------------|--|
| 10/100/1000Mbps PORTS | 5 | 8 | 8 | 16 | 24 |
| ENCLOSURE | Metal | Metal | Metal | Metal | Metal |
| CONNECTOR TYPE: | Plastic | Plastic | Metal | Metal | Plastic |
| PERFORMANCE: | | | | | |
| Bandwidth | 10Gbps | 16Gbps | 16Gbps | 32Gbps | 48Gbps |
| Buffer Memory | 128 KB | 128 KB | 192 KB | 768 KB | 512 KB |
| Jumbo Frames | 9,216 bytes | 9,216 bytes | 9,720 bytes | 9,216 bytes | 9,216 bytes |
| Forwarding Rate (using 64-byte packets) - 1000Mbps Port | 1,448,000 pps | 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 | < 3.0 µsec | < 3.9 µsec | < 4.7 µsec |
| MAC Address Table Size | 2K | 8K | 4K | 16K | 8K |
| POE SUPPORT: | | | | | |
| 802.3af PoE Ports | n/a | n/a | Ports 1-4 | n/a | n/a |
| PoE Max Power Per Port | n/a | n/a | up to 15.4W | n/a | n/a |
| Total PoE Power Budget** | n/a | n/a | up to 53W | n/a | n/a |
| ENERGY EFFICIENCY: | | | | | |
| Energy Efficient Ethernet (IEEE 802.3az) | Yes | Yes | Yes | Yes | Yes |
| Auto Power Down | Yes | Yes | Yes | Yes | Yes |
| Short Cable Detection | Yes | Yes | Yes | Yes | Yes |
| DC Input | 5V / 0.7A | 12V / 0.5A | 48V / 1.25A | 12V / 1.0A | Internal (AC: 110-240V, 50-60Hz, 1.0A max) |
| Power Consumption (Max and Standby) | 2.34W / 0.45W | 3.52W / 0.57W | 60.0W / 0.28W | 8.4W / 1.83W | 11.1W / 8.47W |
| Power On/Off Switch | No | Yes | No | No | No |
| Heat Dissipation (Max and Standby) | 8.00 BTU / 1.54 BTU | 12.04 BTU / 1.95 BTU | 205.20 BTU / 0.95 BTU | 28.73 BTU / 6.26 BTU | 37.96 BTU / 28.97 BTU |
| PORT LEDs | Power, Link / Activity | Power, Link / Activity | Power, Link / Activity (Left), Ports 1-4: PoE Power (Right) | Power, Speed, Link / Activity | Power, Speed, Link / Activity |
| PHYSICAL SPECIFICATIONS: | | | | | |
| Width x Depth x Height | 101 x 94 x 29 mm | 158 x 101 x 29 mm | 158 x 101 x 29 mm | 286 x 101 x 26 mm | 252 x 180 x 44 mm |
| Weight | 0.24 kg | 0.48 kg | 0.46 kg | 0.84 kg | 1.31 kg |
| ENVIRONMENT: | | | | | |
| Operating Temperature | 0 ~ 40° C | | | | |
| Storage Temperature | -20 ~ 70° C | | | | |
| Operating Humidity | 90% maximum relative humidity, non-condensing | | | | |
| Storage Humidity | 5% to 95% relative humidity | | | | |

STANDARDS

- 802.3ab 1000BASE-T Gigabit Ethernet
- 802.3x Flow Control
- 802.3 CSMA/CD
- 802.3u 100BASE-TX Fast Ethernet
- 802.1p Priority QoS (all models)
- 802.3az Energy Efficient Ethernet
- 802.3i 10BASE-T Ethernet
- 802.1p Priority QoS and Honors DSCP tags (GS305, GS308, GS324)

WARRANTY*

- All except China/India: 3-year warranty
- China/India: 1-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. 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 total power supplied across all PoE connected devices.

† NETGEAR #1 in US Market Share according to NPD data for Unmanaged and Web/Smart Switches, April 2015.

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