# NETGEAR®

## SOHO Gigabit Ethernet Switches

**#1 IN UNMANAGED, WEB, & SMART SWITCHES***

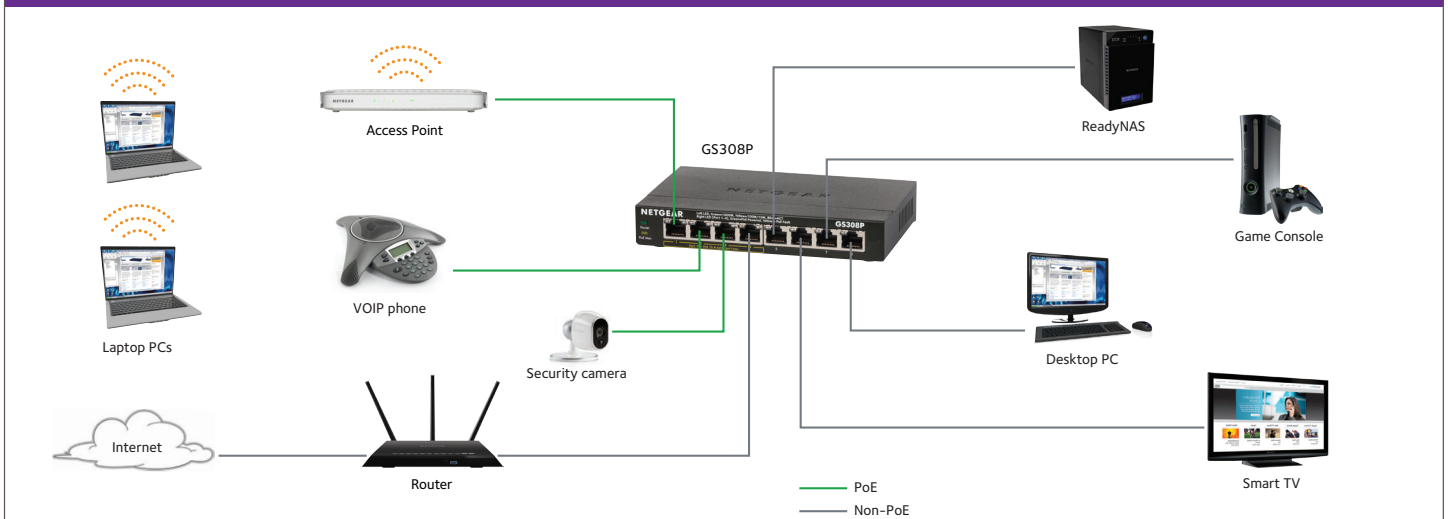*In North America Market Share according to NPD, April 2015

## 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. They are easy to use and reliable. With these plug-and-play switches, you can expand your network connections to multiple devices instantly. The new GS308P with Power over Ethernet (PoE) provides power and data from a single Ethernet (CAT-5) cable to devices such as IP cameras, VOIP 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

- Plug-and-play

- Durable and rugged metal case

- Desktop or wall-mountable

- Ideal for small office and home networks

- 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 phones, wireless access points (GS308P only)

### SMALL OFFICE/HOME OFFICE NETWORK DIAGRAM

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## SOHO Gigabit Ethernet Switches

| FEATURES | GS305 | GS308 | GS308P |
|---|---|---|---|
| 10/100/1000Mbps PORTS | 5 | 8 | 8 |
| ENCLOSURE | Metal | Metal | Metal |
| CONNECTOR TYPE: | Plastic | Plastic | Metal |
| PERFORMANCE:<br>Bandwidth<br>Buffer Memory<br>Jumbo Frames | 10Gbps<br>1Mbit<br>9216 bytes | 16Gbps<br>1Mbit<br>9216 bytes | 16Gbps<br>1Mbit<br>9720 bytes |
| POE SUPPORT:<br>802.3af PoE Ports<br>PoE Max Power Per Port<br>Total PoE Power Budget** | NA<br>NA<br>NA | NA<br>NA<br>NA | Ports 1-4<br>up to 15.4W<br>up to 53W |
| ENERGY EFFICIENCY:<br>Energy Efficient Ethernet (IEEE 802.3az)<br>Auto Power Down<br>Short Cable Detection<br>DC Input<br>Power Consumption (Max and Standby)<br>On/Off Switch<br>Heat Dissipation (Max and Standby) | ●<br>●<br>●<br>5V/0.7A<br>2.34W/0.45W<br><br>7.99 BTU/1.53 BTU | ●<br>●<br>●<br>12V/0.5A<br>3.52W/0.57W<br>●<br>11.87 BTU/1.95 BTU | ●<br>●<br>●<br>48V/1.25A<br>60.0W/0.28W<br><br>186.61 BTU/0.95 BTU |
| PORT LEDS | Power, Link/Activity | Power, Link/Activity | Power, Link/Activity (Left),<br>Ports 1-4: PoE Power (Right) |
| ADDRESS TABLE SIZE | 2K | 8K | 4k |
| PHYSICAL SPECIFICATIONS:<br>Width x Depth x Height<br>Weight | 101 x 94 x 29 mm<br>0.24 kg | 158 x 101 x 26 mm<br>0.38 kg | 158 x 101 x 29 mm<br>0.46 kg |
| ENVIRONMENT:<br>Operating Temperature<br>Storage Temperature<br>Operating Humidity<br>Storage Humidity | 0 ~ 40° C<br>–20 ~ 70° C<br>90% maximum relative humidity, non-condensing<br>5% to 95% relative humidity | | |

### STANDARDS

- 802.3ab 1000BASE-T Gigabit Ethernet
- 802.3u 100BASE-TX Fast Ethernet
- 802.3i 10BASE-T Ethernet
- 802.3az Energy Efficient Ethernet
- 802.3x Flow Control
- 802.1p Priority
- 802.3 CSMA/CD
- 802.1P QoS

### WARRANTY*

- All except China/India:
  3-year warranty
- China/India:
  1-year warranty

GS305

GS308

GS308P

** 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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