

# NETGEAR

## SOHO Gigabit Ethernet Switches (GS316)

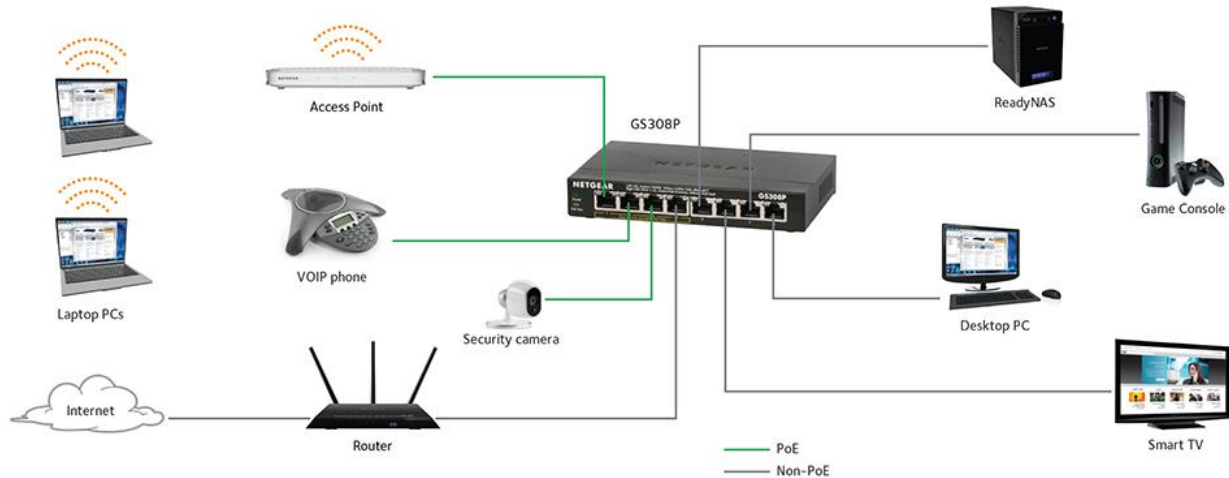


NETGEAR 300 Series Gigabit Ethernet Unmanaged Switches provide easy, reliable, and affordable network connectivity for home and small offices. With these unmanaged plug-and-play switches, you can expand your network connections to multiple devices instantly. The GS308P with Power-over-Ethernet (PoE) 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	GS316
10/100/1000Mbps Ports	16
ENCLOSURE	Metal
CONNECTOR TYPE	Plastic
PERFORMANCE	
Bandwidth	48Gbps
Buffer Memory	512 KB
Jumbo Frames	9,216 bytes
Forwarding Rate (using 64-byte packets)	1,448,000 pps
Latency (using 64-byte packets, 1 Gbps connectivity)	< 4.7 $\mu$ sec
MAC Address Table Size	8K
POE SUPPORT	
802.3af PoE Ports	n/a
PoE Max Power Per Port	n/a
Total PoE Power Budget**	n/a
ENERGY EFFICIENCY	
Energy Efficient Ethernet (EEE) IEEE 802.3az	Yes
Auto Power Down	Yes
Short Cable Detection	Yes
DC Input	Internal (AC: 110-240V, 50-60Hz, 1.0A max)
Power Consumption (Max and Standby)	11.1W / 8.47W
Power On/Off Switch	No
Heat Dissipation (Max and Standby)	37.96 BTU / 2 8.97 BTU

