

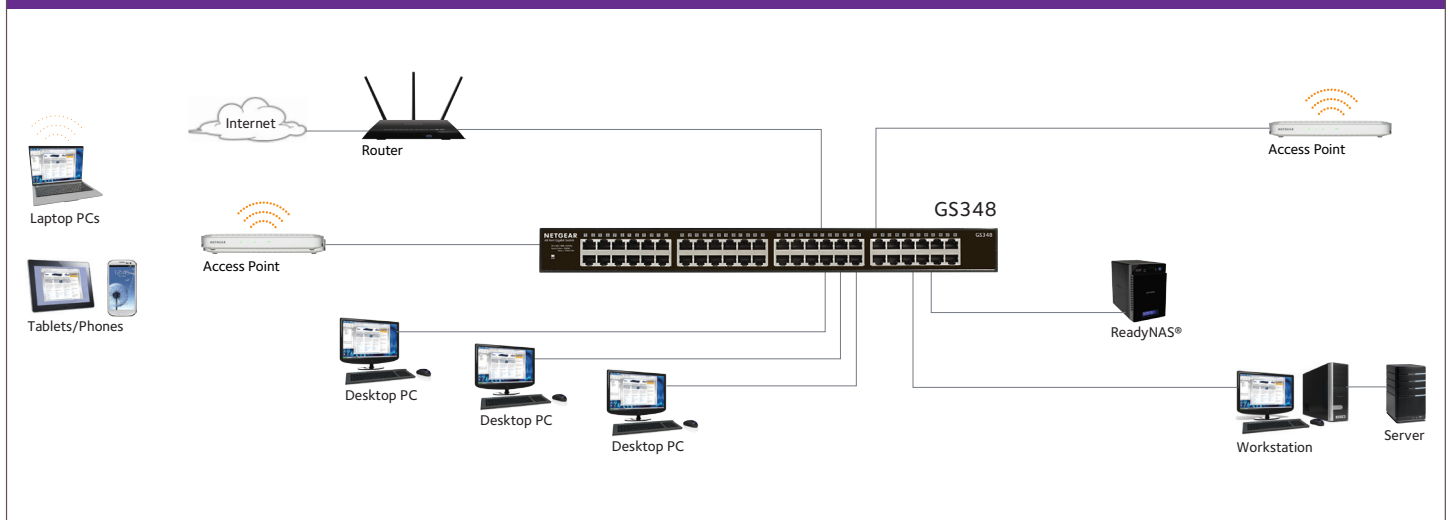


### Expanding Wired Connectivity for SOHO Networks

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. Just step up to GS316, GS324 or GS348 directly to avoid congestion due to stacking up lower port count switches and be ready for future expansion.

- 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
- GS316 and GS324 are wall-mountable
- GS324 and GS348 are rack-mountable (rackmount kit included)

### SMALL OFFICE/HOME OFFICE NETWORK DIAGRAM



Features	GS316	GS324	GS348
10/100/1000Mbps Ports	16	24	48
ENCLOSURE	Metal	Metal	Metal
CONNECTOR TYPE	Metal	Plastic	Metal
<b>PERFORMANCE</b>			
Bandwidth	32 Gbps	48 Gbps	96 Gbps
Buffer Memory	768 KB	512 KB	1.5MB
Jumbo Frames	9,270 bytes	9,216 bytes	9,216 bytes
Forwarding Rate (using 64-byte packets)	1,448,000 pps	1,448,000 pps	1,448,000 pps
Latency (using 64-byte packets)	< 3.9 µsec	< 4.7 µsec	< 4 µsec
MAC Address Table Size	2K	8K	16K
FORM FACTOR	Desktop Wall-Mountable	Desktop Wall-Mountable Rack-Mountable	Desktop Rack-Mountable
<b>ENERGY EFFICIENCY</b>			
Energy Efficient Ethernet (EEE) IEEE 802.3az	Yes	Yes	Yes
Auto Power Down	Yes	Yes	Yes
Short Cable Detection	Yes	Yes	Yes
Power Supply	External 12V / 1.0A	Internal (AC: 110-240V, 50-60Hz, 1.0A max)	Internal (AC: 110-240V, 50-60Hz, 1.0A max)
Power Consumption (Max and Standby)	8.4W / 1.83W	11.1W / 8.47W	23.0W / 8.81W
Heat Dissipation (Max and Standby)	28.73 BTU / 6.26 BTU	37.96 BTU / 28.97	78.66 BTU / 33.13 BTU
PORT LEDS	Power, Link/Activity	Power, Link/Activity	Power, Link/Activity
<b>PHYSICAL SPECIFICATIONS</b>			
Width x Depth x Height	286 x 101 x 26 mm	252 x 180 x 44 mm	440 x 204 x 43.2 mm
Weight	0.84 kg	1.31 kg	3.15 kg
<b>ENVIRONMENTAL SPECIFICATIONS</b>			
Operating Temperature	0° to 40°C	0° to 40°C	0° to 50°C
Storage Temperature	-20° to 70°C		
Operating Humidity	90% maximum relative humidity, non-condensing		
Storage Humidity	5% to 95% relative humidity		
<b>PROSUPPORT EXTENDED SUPPORT CONTRACTS</b>			
PMBOS12-10000S	1-Year OnCall 24x7 Support Plan**		
PMBOS32-10000S	3-Year OnCall 24x7 Support Plan**		
PMBOS52-20000S	5-Year OnCall 24x7 Support Plan**		

### 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 (GS324 and GS348)
- 802.3 CSMA/CD
- 802.3az Energy Efficient Ethernet

### WARRANTY\*

- Lifetime (switch);
- 2-years (power adapter)

\* 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/India. 24/7 basic technical support provided for 90 days from purchase date when purchased from a NETGEAR authorized reseller.

\*\* The NETGEAR OnCall 24x7 contract provides unlimited phone and email technical support for your networking product. For ProSAFE products purchased prior to 06/2014, also includes Next Business Day (NBD) hardware replacement.

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

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