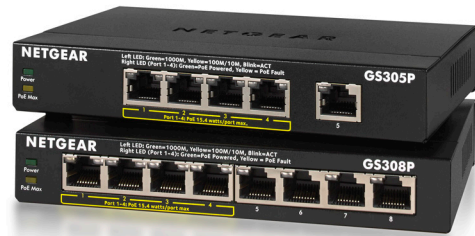


## Business Essentials Gigabit Ethernet Switches

Data Sheet

### 5-Port-Gigabit-PoE-Unmanaged-Switch

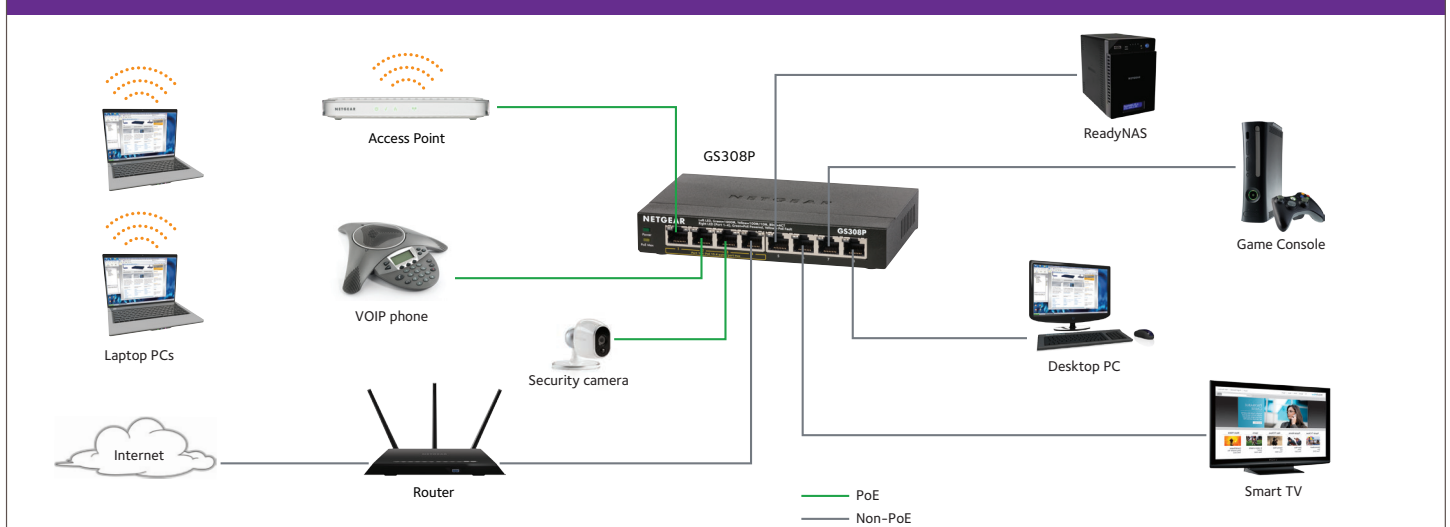


## Expanding Wired Connectivity for SOHO Networks

5-Port-Gigabit-PoE-Unmanaged-Switch 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



## Business Essentials Gigabit Ethernet Switches

Data Sheet

### 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
<b>PERFORMANCE</b>				
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
<b>POE SUPPORT</b>				
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
<b>ENERGY EFFICIENCY</b>				
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)
<b>PHYSICAL SPECIFICATIONS</b>				
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
<b>ENVIRONMENTAL SPECIFICATIONS</b>				
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