

### Outstanding Power with Flexible Placement

The NETGEAR® Gigabit Unmanaged Switch series helps businesses cost-effectively increase power budget to expand their network.

Powered by the industry's first flexible PoE+ integrated technology, you can increase or decrease the PoE budget by simply buying a new power supply, effectively futureproofing small business networks and budgets.

All ports support PoE/PoE+ that makes them the perfect switches for deploying Wireless APs, Pan/Tilt/Zoom and fixed IP Cameras, VoIP Phones, access-limited security door locks or any other IoT PoE-powered devices.

The GS108LP, GS108PP, GS116LP and GS116PP Gigabit Ethernet switches come with 8 and 16 Gigabit copper ports in a desktop metal case.

The small form factor combined with the rack-mount and wall-mount accessories give you the flexibility to place these switches in small cabinets, in a 19" rack, on a wall or on your desk.

### Highlights



#### All ports Support PoE+

All ports are able to provide up to 30W per port to any power-hungry device (PTZ cameras, PoE Lights, PD Switches, Access Points, more)



#### Flexible PoE Budget

NETGEAR's exclusive FlexPoE with interchangeable external power adapters allow you to increase (or decrease) your PoE budget as your needs change.  
GS108LP/GS108PP: 60W, 83W, 123W PoE Budget  
GS116LP/GS116PP: 76W, 115W, 183W PoE Budget



#### Flexible mounting options

Adapts to your needs and configuration in any environment. Desktop, wall-mount, or rack-mount with included mounting kits.



#### Compact, fanless, silent design

Small form-factor, fanless design for silent operation. Perfect for noise-sensitive environments.

## Hardware at a Glance

Model Name	Form-Factor	10/100/1000 Base-T RJ45 ports	PoE/PoE+ 802.3af/802.3at Ports	PoE Budget/PSU	LEDs	PSU Supported/ PoE Budget	Fans
GS108LP	Desktop, wall & rack mount	8	8	PoE Budget: 60W PSU: 67.5W	Power, Port Link/Speed/Activity	PSU: 67.5W/90W/130W PoE: 60W/83W/123W	Fanless
GS108PP	Desktop, wall & rack mount	8	8	PoE Budget: 123W PSU: 130W	Power, Port Link/Speed/Activity	PSU: 67.5W/90W/130W PoE: 60W/83W/123W	Fanless
GS116LP	Desktop, wall & rack mount	16	16	PoE Budget: 76W PSU: 90W	Power, Port Link/Speed/Activity	PSU: 90W/130W/200W PoE: 76W/115W/183W	Fanless
GS116PP	Desktop, wall & rack mount	16	16	PoE Budget: 183W PSU: 200W	Power, Port Link/Speed/Activity	PSU: 90W/130W/200W PoE: 76W/115W/183W	Fanless



### GS108LP/GS108PP

- 8 x Gig Copper Ports
- 8 x 802.3af/802.3at Ports
- Desktop, Wall-mount and 19-inch Rackmountable
- Small Form Factor



### GS108LP/GS108PP rear

- Interchangeable External Power Supply



### GS116LP/GS116PP

- 16 x Gig Copper Ports
- 16 x 802.3af/802.3at Ports
- Desktop, Wall-mount and 19-inch Rackmountable
- Small Form Factor

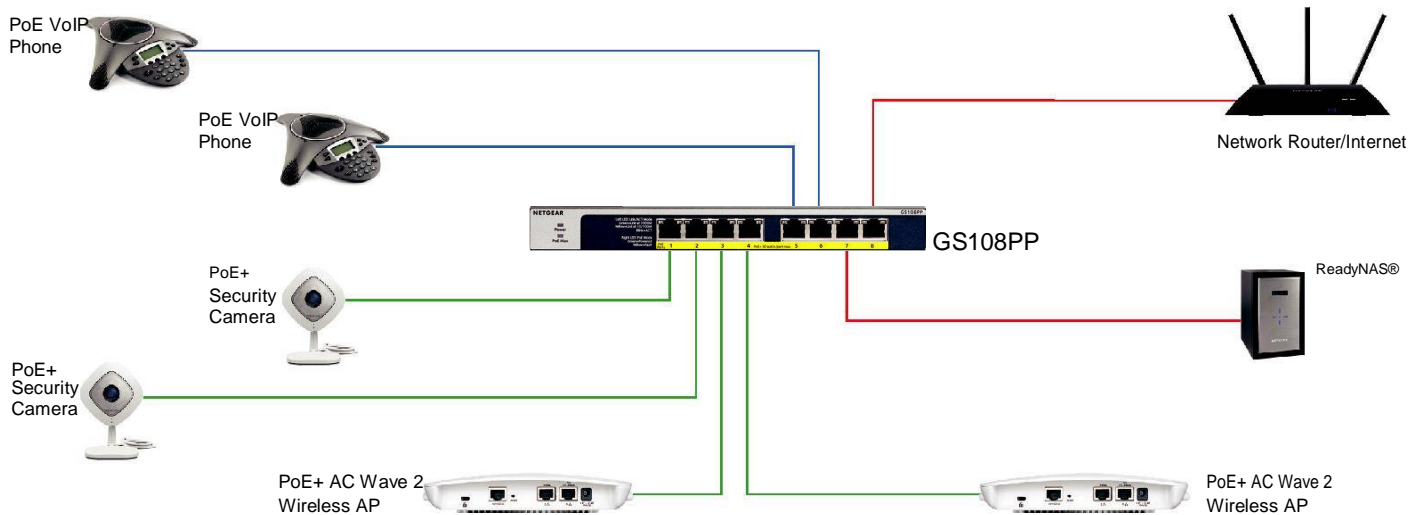


### GS116LP/GS116PP rear

- Interchangeable External Power Supply

## Example Application

### GS108LP/GS108PP in a Business Environment






### GS108LP/GS108PP in a Business Environment

The following table describes the PoE classes and switch allocations.

Device Class	Standard	Class Description	Minimum Power Allocated to the Powered Device	Range of Power Delivered to the Powered Device
0	PoE and PoE+	Default power (full)	0.44W	.044W - 12.95W
1	PoE and PoE+	Very low power	4.0W	0.44W - 3.84W
2	PoE and PoE+	Low power	7.0W	3.84W - 6.49W
3	PoE and PoE+	Mid power	15.4W	6.49W - 12.95W
4	PoE+ only	High power	30.0W	12.95W - 25.5W

## Why the NETGEAR PoE/PoE+ Switches are ideal for SMB

- Upgradable PoE budget with interchangeable power supplies
- Small form factor and silent for quiet operation
- Plug-and-play, automatic connectivity to your router or modem
- Prioritize voice and video traffic
- Lifetime Warranty\* plus lifetime online support and lifetime Next Business Day (NBD) replacement

	GS108LP	GS108PP	GS116LP	GS116PP
<b>Technical Specifications</b>				
				
Gigabit Ethernet RJ-45 Copper ports (10M/100M/1G) - 1000BASE-T	8		16	
PoE/PoE+ ports	8 PoE+ (60W PoE budget)	8 PoE+ (123W PoE budget)	16 PoE+ (76W PoE budget)	16 PoE+ (183W PoE budget)
Power Supply	External Input 54V 1.25A (67.5W)	External Input 54V 2.4A (130W)	External Input 54V 1.66A (90W)	External Input 54V 3.7A (200W)
Power Supply Supported	External Input 54V 2.4A (130W) Input 54V 1.66A (90W) Input 54V 1.25A (67.5W)		External Input 54V 3.7A (200W) Input 54V 2.4A (130W) Input 54V 1.66A (90W)	
Desktop/Rackmount/Wall-Mount				
<b>Form Factor</b>				
<b>Product Specifications</b>				
Gigabit Ports	8		16	
Max MAC entries			4K	
Buffer Size	192KB		1MB	
Energy Efficient Ethernet (IEEE 802.3az complaint)			Yes	
<b>PoE Support</b>				
802.3af	Ports 1-8		Ports 1-16	
802.3at	Ports 1-8		Ports 1-16	
PoE Max Power Per Port	Up to 15.4w for 802.3af and 30W for 802.3at			
Total PoE Power Budget	60W	123W	76W	183W
Forwarding modes	Store-and-forward			
Bandwidth	16Gbps		32Gbps	
Jumbo frame support			Yes	
Acoustic noise (ANSI-S10.12)			0 (fanless)	
Mean Time Between Failures (MTBF)	2,752,476 hours		2,088,514 hours	
<b>Quality of Service (QOS)</b>				
DSCP			Yes	
IEEE 802.1p COS			Yes	
Queue WRR Ratio	1:3:5:7:8:10:12:15 Weighted Fair Queue (WFQ)			
<b>LEDs</b>				
Per port			Speed, Link, Activity, PoE	
Per device			Power Status, PoE Max	