

8-port and 16-port Gigabit Ethernet Unmanaged PoE/PoE+ Switches





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.





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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

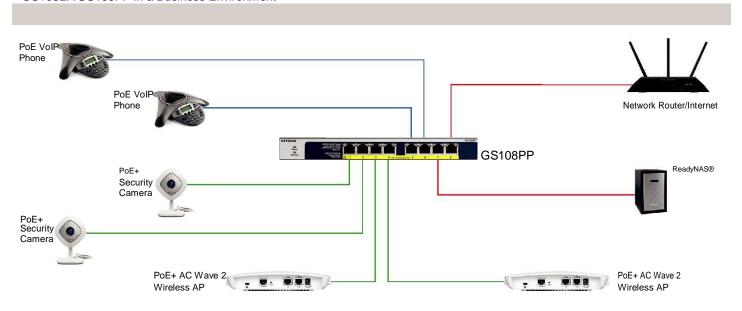
• Interchangeable External Power Supply

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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





8-port and 16-port Gigabit Ethernet Unmanaged PoE/PoE+ Switches

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Signatic Ethernet RJ-45 Copper ports 16 POE+ 16 P	Technical Specifications		3 Tanalous	: manganan na na na na		
Signatic Ethernet RJ-45 Copper ports 16 POE+ 16 P						
16 POE+ 16	Gigabit Ethernet R I-45 Copper ports		8		16	
PoE/PoE+ ports						
	PoF/PoF+ ports	•	•	,	,	
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Desktop/Rackmount/Wall-Mount		External Input 54V 2.4A (1 Input 54V 1.66A (External Input 54V 2.4A (130W) Input 54V 1.66A (90W)		External Input 54V 3.7A (200W) Input 54V 2.4A (130W)	
Form Factor Product Specifications 8 16 Max MAC entries 4K Buffer Size 192KB 1MB Energy Efficient Enthernet (IEEE 802.3az complaint) Yes FORE Support 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 802.3at and 30W for 802.3at Total PoE Power Budget 60W 123W 76W 183W Forwarding modes Store-and-torward 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 Quality of Service (QOS) Yes DSCP Yes IEEE 802.1p COS Yes Queue WRR Ratio 1:3:5:7:8:10:12:15 Weighted Fair Queue (WFQ) LEDS Per port Speed, Link, Activity, PoE	. Circle Cupper, Cupper, tea	, , , , , , , , , , , , , , , , , , ,	•			
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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 Quality of Service (QOS) DSCP Yes IEEE 802.1p COS Yes Queue WRR Ratio 1:3:5:7:8:10:12:15 Weighted Fair Queue (WFQ) LEDs Per port Speed, Link, Activity, PoE	Total PoE Power Budget	60W	123W	76W	183W	
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Mean Time Between Failures (MTBF) 2,752,476 hours 2,088,514 hours Quality of Service (QOS) DSCP Yes IEEE 802.1p COS Yes Queue WRR Ratio 1:3:5:7:8:10:12:15 Weighted Fair Queue (WFQ) LEDs Per port Speed, Link, Activity, PoE	Jumbo frame support	Yes				
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DSCP Yes IEEE 802.1p COS Yes Queue WRR Ratio 1:3:5:7:8:10:12:15 Weighted Fair Queue (WFQ) LEDs Per port Speed, Link, Activity, PoE	Mean Time Between Failures (MTBF)	2,752,4	76 hours	2,088,5	2,088,514 hours	
IEEE 802.1p COS Queue WRR Ratio 1:3:5:7:8:10:12:15 Weighted Fair Queue (WFQ) LEDs Per port Speed, Link, Activity, PoE	Quality of Service (QOS)					
Queue WRR Ratio 1:3:5:7:8:10:12:15 Weighted Fair Queue (WFQ) LEDs Speed, Link, Activity, PoE	DSCP		Yes			
LEDs Per port Speed, Link, Activity, PoE	IEEE 802.1p COS		Yes			
Per port Speed, Link, Activity, PoE	Queue WRR Ratio	1	:3:5:7:8:10:12:15 Wei	ighted Fair Queue (WF	Q)	
	LEDs					
Per device Power Status, PoE Max	'er port Speed, Link, Activity, PoE					
	Per device Power Status, PoE Max					

