



### GS516PP and GS524PP Unmanaged Gigabit Ethernet PoE+ Switches

The GS516PP 16-port High-power PoE+ Gigabit Ethernet Unmanaged Switch and the GS524PP 24-port High-power PoE+ Gigabit Ethernet Unmanaged Switch join the NETGEAR Unmanaged switch family, adding full 16 and 24 port PoE+ support for flexible deployment of modern high-power PoE devices. Companies can now deploy denser PoE+ devices connected to a single switch instead of multiples with a total PoE power budget of 260W (GS516PP) and 300W (GS524PP). The quiet design makes the GS516PP and GS524PP ideal for any home or business environment.

### GS516UP and GS524UP Unmanaged Gigabit Ethernet Ultra60 PoE++ Switches

NETGEAR brings the first Unmanaged PoE++ switch with Ultra60 PoE++ technology with two new 16-Port (GS516UP) and 24-port (GS524UP) Unmanaged Switches, ideal for powerful PoE++ installations with PoE budgets up to 380W and 480W, a compact size, plug-and-play installation, and reliable performance at affordable prices.

With IoT (Internet of Things) continuously introducing wired devices for smart home and smart building automation systems, the 802.3bt PoE standard is needed to support those devices that require greater

power - power that the 802.3at standard (30W per port) cannot support.

Standardized to IEEE 802.3bt, the Ultra60 PoE++ switches can deliver up to 60W of power per port, allowing the connections of higher power required devices, such as high performance 802.11AX wireless access points, PTZ and 4K IP surveillance cameras, PoE lighting, PoE-powered audio speakers, as well as other high-powered devices. The GS516UP and GS524UP has a PoE mode used to enable pre-802.3bt compatibility for pre-802.3bt devices that were created before 802.3bt Standard was ratified.

## Highlights

- Simple set up with no software or configuration needed
- Per port LEDs for port activity and speed
- Energy efficient technology for power savings
- Auto-negotiation for automatic connection at the highest common speed between switch and an end device
- 16 or 24 auto-sensing 10/100/1000 Mbps Gigabit Ethernet ports with up to 32 or 48Gb non-blocking switching
- Auto-MDI/MDIX eliminates the need for crossover cables
- Small, sturdy desktop metal case and quiet operation
- Ideal for small and medium offices
- Non-blocking switching architecture for maximum throughput at wire speed
- Standards-based technology ensures interoperability with any standards-based devices in the existing network
- Power up to 30W per device (GS516PP and GS524PP)
- Power up to 60W per device (GS516UP and GS524UP)
- Desktop and rackmountable
- 802.3at Power Over Ethernet (PoE) for IP cameras, VoIP/Internet-based phones, wireless access points
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- 802.3bt Power Over Ethernet (PoE) for IP cameras, VoIP/Internet-based phones, wireless access points, smart building lighting, audio speakers and pan-tilt-zoom cameras
- Unique PoE technology automatically balances the PoE power based on the device needs independent of PoE class detected. The switches deliver the power the device needs, at the most granular level.
- Enable Pre-802.3bt devices using our PoE Mode

## Hardware at a Glance

Technical Specifications	GS516PP	GS516UP	GS524PP	GS524UP
10/100/1000Mbps Ports (Auto Uplink)	16	16	24	24
Enclosure	Metal	Metal	Metal	Metal
Connector Type	Metal	Metal	Metal	Metal
Form Factor	Desktop/ Rackmount	Desktop/ Rackmount	Desktop/ Rackmount	Desktop/ Rackmount
Power On/Off Switch	N/A	N/A	N/A	N/A
<b>PoE Configuration</b>				
802.3at PoE Ports	16	8	24	8
802.3bt PoE Ports	0	8	0	16
Pre-802.3bt compatible	N/A	Yes	N/A	Yes
PoE Max Power Per Port	30W	60W	30W	60W
Total PoE Power Budget	260W	380W	300W	480W
<b>Physical Specifications</b>				
Dimensions (W x D x H)	330 x 207 x 43 mm (12.99 in. x 8.15 in. x 1.7 in.)	330 x 207 x 43 mm (12.99 in. x 8.15 in. x 1.7 in.)	390 x 220 x 43 mm (15.4 in. x 8.7 in. x 1.7 in.)	390 x 220 x 43 mm (15.4 in. x 8.7 in. x 1.7 in.)
Weight	2.30 kg (5.07 lb)	2.60 kg (5.73 lb)	2.89 kg (6.37 lb)	3.10 kg (6.83 lb)
<b>Ordering Information</b>				
GS516PP-100NAS	North America and Asia Pacific			
GS516PP-100EUS	Europe, United Kingdom and Asia Pacific			
GS516PP-100AJS	Australia and Japan			
GS516UP-100NAS	North America and Asia Pacific			
GS516UP-100EUS	Europe, United Kingdom and Asia Pacific			
GS516UP-100AJS	Australia and Japan			
GS524PP-100NAS	North America and Asia Pacific			
GS524PP-100EUS	Europe, United Kingdom and Asia Pacific			
GS524PP-100AJS	Australia and Japan			
GS524UP-100NAS	North America and Asia Pacific			
GS524UP-100EUS	Europe, United Kingdom and Asia Pacific			
GS524UP-100AJS	Australia and Japan			

Actual SKU availability may vary per region. Please check the local website for product availability.

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

† NETGEAR #1 in US Market Share according to NPD data for Unmanaged and Smart Switches, September 2019. NETGEAR #1 in Europe Market Share according to Context data for Unmanaged and Smart Switches, September 2019.

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