

## Netgear Plus GS316EP - Switch



Managed - 15 x 10/100/1000 (PoE+) + 1 x SFP - desktop - wall-mountable - PoE+ (180 W)

|                       |                   |
|-----------------------|-------------------|
| Group                 | Network Equipment |
| Manufacturer          | Netgear           |
| Manufacturer item no. | GS316EP-100PES    |
| EAN/UPC               | 0606449153651     |

### Description

Along with the already great Plus switch features, GS316EP enhances your business networking experience even more with exciting new features. Advanced PoE controls, including power allocation override, remote enable/disable/power cycle, PoE scheduling and more, ensure simple power management of PoE connected devices.

### Main features

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description        | NETGEAR Plus GS316EP - switch - 16 ports - Managed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Device Type                | Switch - 16 ports - Managed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Subtype                    | Gigabit Ethernet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Ports                      | 15 x 10/100/1000 (PoE+) + 1 x SFP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Power Over Ethernet (PoE)  | PoE+                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| PoE Budget                 | 180 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Performance                | Bandwidth: 28 Gbps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Capacity                   | Buffer memory (kBytes): 192   VLANs supported: 64   Multicast groups: 128                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| MAC Address Table Size     | 4K entries                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Jumbo Frame Support        | 10000 bytes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Routing Protocol           | IGMPv2, IGMP, IGMPv3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Remote Management Protocol | HTTP, DHCP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Features                   | Flow control, VLAN support, IGMP snooping, port mirroring, store and forward, Broadcast Storm Control, full duplex mode, Quality of Service (QoS), fanless, DHCP client, loop prevention, Class of Service (CoS), Type of Service (ToS), DiffServ Code Point (DSCP) support, cable test, Link Aggregation, rate limit, Denial of Service (DoS) protection, Energy-Efficient Ethernet (EEE), Weighted Round Robin (WRR), loopback detection, VLAN Tagging, port-based VLAN, port trunking, block unknown multicast, password protection, PoE scheduling, uninterrupted PoE |
| Compliant Standards        | IEEE 802.3, IEEE 802.3u, IEEE 802.1Q, IEEE 802.3ab, IEEE 802.1p, IEEE 802.3af, IEEE 802.3x, IEEE 802.3at, IEEE 802.3az                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Dimensions (WxDxH)         | 28.6 cm x 10.2 cm x 2.7 cm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

|        |       |
|--------|-------|
| Weight | 883 g |
|--------|-------|

## Extended details

### General

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Device Type                | Switch - 16 ports - Managed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Enclosure Type             | Desktop, wall-mountable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Subtype                    | Gigabit Ethernet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Ports                      | 15 x 10/100/1000 (PoE+) + 1 x SFP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Power Over Ethernet (PoE)  | PoE+                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| PoE Budget                 | 180 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Performance                | Bandwidth: 28 Gbps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Capacity                   | Buffer memory (kBytes): 192   VLANs supported: 64   Multicast groups: 128                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| MAC Address Table Size     | 4K entries                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Jumbo Frame Support        | 10000 bytes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Routing Protocol           | IGMPv2, IGMP, IGMPv3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Remote Management Protocol | HTTP, DHCP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Features                   | Flow control, VLAN support, IGMP snooping, port mirroring, store and forward, Broadcast Storm Control, full duplex mode, Quality of Service (QoS), fanless, DHCP client, loop prevention, Class of Service (CoS), Type of Service (ToS), DiffServ Code Point (DSCP) support, cable test, Link Aggregation, rate limit, Denial of Service (DoS) protection, Energy-Efficient Ethernet (EEE), Weighted Round Robin (WRR), loopback detection, VLAN Tagging, port-based VLAN, port trunking, block unknown multicast, password protection, PoE scheduling, uninterrupted PoE |
| Compliant Standards        | IEEE 802.3, IEEE 802.3u, IEEE 802.1Q, IEEE 802.3ab, IEEE 802.1p, IEEE 802.3af, IEEE 802.3x, IEEE 802.3at, IEEE 802.3az                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Status Indicators          | Power, system, PoE, link/activity/speed, PoE max                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

### Expansion / Connectivity

|            |                                                        |
|------------|--------------------------------------------------------|
| Interfaces | 15 x 1000Base-T RJ-45 PoE+ - 30 W   1 x 1000Base-X SFP |
|------------|--------------------------------------------------------|

### Power

|              |                        |
|--------------|------------------------|
| Power Device | External power adapter |
|--------------|------------------------|

### Miscellaneous

|                      |                                                                   |
|----------------------|-------------------------------------------------------------------|
| Included Accessories | Rubber feet, wall mounting kit                                    |
| MTBF                 | 784,742 hours                                                     |
| Compliant Standards  | CSA, VCCI, BSMI, EN55024, KC, FCC Part 15 Class B, ACMA, EN 55032 |

### Dimensions & Weight

|        |         |
|--------|---------|
| Width  | 28.6 cm |
| Depth  | 10.2 cm |
| Height | 2.7 cm  |
| Weight | 883 g   |

### Manufacturer Warranty

|                   |                                                                                                                                                  |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Service & Support | Limited warranty - 5 years   Limited warranty - power supply - 2 years   Limited warranty - phone consulting - 90 days with product registration |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|

### Environmental Parameters

|                           |      |
|---------------------------|------|
| Min Operating Temperature | 0 °C |
|---------------------------|------|



|                           |                      |
|---------------------------|----------------------|
| Max Operating Temperature | 40 °C                |
| Humidity Range Operating  | 90% (non-condensing) |
| Min Storage Temperature   | -20 °C               |
| Max Storage Temperature   | 70 °C                |
| Humidity Range Storage    | 95% (non-condensing) |

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