

Netgear ProSafe 8 Port Smart Managed Plus Gigabit Desktop Switch With 4 Ports of PoE



Product Name: Netgear ProSafe 8 Port Smart Managed Plus Gigabit Desktop Switch With 4 Ports of PoE

Manufacturer: -

Model Number: GS108PE

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The Netgear GS108PE provides fundamental network features such as VLANs, QoS, and IGMP Snooping that will help optimise the performance of business networks.

Netgear GS108PE Key Features

- Smart Managed Plus Switch delivers network monitoring, traffic prioritisation and VLAN
- 8 Port
- Simple, yet useful network set-up on top of plug-and-play connectivity
- Gigabit speed with QoS, VLAN and network monitoring
- VLAN support for traffic segmentation
- Quality of Service (QoS) for traffic prioritisation
- Auto "denial-of-service" (DoS) prevention
- Troubleshoot connection issues via cable test
- Loop prevention and broadcast storm controls
- IGMP snooping v1, v2 and v3 support for multicast optimisation
- Rate limiting for better bandwidth allocation
- Port mirroring for network monitoring
- Jumbo frame support
- Port Trunking to increase bandwidth and provide redundant links

Netgear GS108PE Technical Specification

Product Specifications

- Gigabit ports: 8
- Fiber ports: 0
- # of PoE ports: 4
- Total PoE power budget (watts): 53
- Max MAC entries: 4K
- Buffer size: 192KB
- Energy Efficient Ethernet (IEEE 802.3az) compliant: Yes

Performance Specification

- Forwarding modes: Store-and-forward
- Bandwidth: 16Gbps
- Priority queuing: Weighted Round Robin (WRR)
- Jumbo frame support: Up to 9720 bytes
- Acoustic noise (dB) (ANSI-S10.12): 0
- Mean Time Between Failures (MTBF) (hrs): 1,242,394

L2 Services - VLANS

- VLAN (# Supported): 32
- IEEE 802.1Q VLAN Tagging: Yes
- Port-based VLAN: Yes

L2 Services - Availability

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• 1/2 Link Aggregation/Port Trunking2: No
• 1/2 Number of Static Manual LAGs and # of members: N/A

L2 Services - Multicast Filtering

• 1/2 IGMP Snooping (v1, v2 and v3): Yes
• 1/2 Block unknown Multicast: Yes
• 1/2 Supported Multicast groups: 128

L3 Services - DHCP

• 1/2 DHCP client: Yes

Quality of Service (QOS)

• 1/2 Rate limiting: Yes
• 1/2 DSCP: Yes
• 1/2 IEEE 802.1p COS: Yes
• 1/2 Port-based VLAN: Yes
• 1/2 TOS: Yes
• 1/2 WRR (Weighted Round Robin): Yes
• 1/2 Strict Priority Queue Technology: No

IEEE Network Protocols

• 1/2 IEEE 802.3 Ethernet
• 1/2 IEEE 802.3ab 1000BASE-T
• 1/2 IEEE 802.1Q VLAN Tagging
• 1/2 IEEE 802.3i 10BASE-T
• 1/2 IEEE 802.1p Class of Service
• 1/2 IEEE 802.3x Full-duplex Flow Control
• 1/2 IEEE 802.3u 100BASE-T
• 1/2 IEEE 802.3af (PoE)

Management

• 1/2 System Password: Yes
• 1/2 Web browser based management GUI: Yes
• 1/2 PC Utility: Yes
• 1/2 Port Mirroring: Yes
• 1/2 Multiple Language GUI: Yes - English, German, Japanese
• 1/2 Max number of source ports allowed (many to 1): 7
• 1/2 Many-to-One Port Mirroring: Yes
• 1/2 Cable Test utility: Yes
• 1/2 FW upgrade thru Plus Utility (TFTP): Yes
• 1/2 Config download (to Switch) thru Plus Utility: Yes
• 1/2 Config upload (to Server): Yes

Miscellaneous Features

• 1/2 Loop Detection: Yes
• 1/2 DoS Prevention: Yes
• 1/2 Broadcast Storm Control: Yes

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• Energy Efficient Ethernet (EEE): Yes

LEDs

• Per port: Speed, Link, Activity Per device: Power, Fan and PoE Power Status

Physical Specifications

• Dimensions: 158x101x29mm

• Weight: 0.54kg

• Fan: 0

Power Consumption (when all ports used, line-rate traffic and max PoE)

• Worst case, all ports used, line-rate traffic, max PoE (W): 60.0

• Heat Dissipation Max/Standby (BTU/hr): Max: 205.2 Min: 3.7

Environmental Specifications²

• Operating temperature: 32° to 104°F (0° to 40°C)

• Operating Humidity: 90% maximum relative humidity, non-condensing

• Operating Altitude: 10,000ft (3,000m) maximum

• Storage temperature: -4° to 158°F (-20° to 70°C)

• Storage Humidity: 95% maximum relative humidity, non-condensing

• Storage Altitude: 10,000ft (3,000m) maximum

• Electromagnetic Emissions and Immunity Certifications Class: A

• Safety Certifications: CB, CE LVD, CCC, EAC

Package Contents

• Smart Managed Plus Switch

• Power cord or power adapter (depending on model)

• Quick Install Guide

Please Enquire