

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 100BASE-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 Specifications

• 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