Netgear ProSafe JGS516PE 16PT GE POE Smart Managed Plus Switch

Product Name: Netgear ProSafe JGS516PE 16PT GE POE Smart Managed Plus Switch

Manufacturer: -

Model Number: -

Please Note: This product has been discontinued. Please see the other Netgear Routers and Switches for an available alternative.

Netgear ProSafe JGS516PE   16PT GE POE Smart Managed Plus Switch
The Netgear ProSafe JGS516PE 16PT GE POE Smart Managed Plus Switch provides fundamental network features such as VLANs, QoS, and IGMP Snooping that will help optimise the performance of business networks. The JGS516PE is the perfect upgrade from the plug-and-play unmanaged switch, delivering essential networking features at a very affordable price.   Netgear GS116E 16PT Gigabit Smart Managed Plus Switch Key Features

ï¿½ VLAN support for traffic segmentation
ï¿½ Quality of Service (QoS) for traffic prioritization
ï¿½ Auto “denial-of-service” (DoS) prevention
ï¿½ Troubleshoot connection issues via cable test
ï¿½ Loop detection and broadcaststorm controls

With the ability to set up and configure QoS, the Netgear ProSafe JGS516PE 16PT GE POE Smart Managed Plus Switch an detect different types of network traffic and assign the desired priority to latency-sensitive traffic, such as voice and video. This helps improve the delivery quality of related applications such as VoIP, multimedia broadcasting, and video conferencing.
The JGS516PE 16PT has a simple, yet useful network set-up on top of plug-and-play connectivity with flexible management via easy-to-use web browser-based management GUI or using the PC-Based Utility application.
The 16PT Gigabit Smart Managed Plus Switches can help divide big networks into smaller more manageable groups and have resources dedicated for one or several groups rather than making the same resources open to all. This feature improves overall network performance, adds security to network traffic, and makes more efficient use of network resources.
The JGS516PE comes with a cable diagnostic feature that enables users to easily find out the health status of their network cables. If there are any problems, this feature helps quickly locate the point where the cabling fails; allowing connectivity issues to be fixed much faster, potentially saving technicians hours of troubleshooting.
Netgear ProSafe JGS516PE 16PT GE POE Smart Managed Plus Switch - Technical Specification
Product Specifications

ï¿½ Gigabit Ports: 16
ï¿½ Number of PoE ports: 8
ï¿½ Total PoE power budget (watts): 85
ï¿½ Max MAC entries: 16k
ï¿½ Buffer size 768KB
ï¿½ Energy Efficient Ethernet (IEEE 802.3az) compliant

Performance Specifications

ï¿½ Forwarding modes: Store-and-forward
ï¿½ Bandwidth: 32 Gbps
ï¿½ Priority queuing: Weighted Round Robin (WRR), Strict Priority, or both
ï¿½ Jumbo frame support: Up to 9k per packet

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ï¿½ Acoustic noise (dB) (ANSI-S10.12): 24.5
ï¿½ Mean Time Between Failures (MTBF) (hrs) : 840,354

Environmental Specifications

ï¿½ Operating temperature: 32° to 122°F (0° to 50°C)
ï¿½ Operating Humidity: 90% maximum relative humidity, non-condensing
ï¿½ Operating Altitude: 10,000 ft (3,000 m) maximum
ï¿½ Storage temperature: – 4° to 158°F (–20° to 70°C)
ï¿½ Storage Humidity: 95% maximum relative humidity, non-condensing
ï¿½ Storage Altitude: 10,000 ft (3,000 m) maximum

IEEE Network Protocol

ï¿½ IEEE 802.3 Ethernet
ï¿½ IEEE 802.3ab 1000BASE-T
ï¿½ IEEE 802.1Q VLAN Tagging
ï¿½ IEEE 802.3i 10BASE-T
ï¿½ IEEE 802.1p Class of Service
ï¿½ IEEE 802.3x Full-duplex Flow Control
ï¿½ IEEE 802.3u 100BASE-T • IEEE 802.3af (PoE)

Management

ï¿½ System password
ï¿½ Web browser based management GUI
ï¿½ PC Utility
ï¿½ Port Mirroring
ï¿½ Max number of source ports allowed (many to 1): 15
ï¿½ Many-to-one Port Mirroring
ï¿½ Cable Test Utility
ï¿½ FW upgrade thru Plus Utility (TFTP)
ï¿½ Cofnig download (to Switch) thru Plus Utility
ï¿½ Cofnig upload (to Server)

Package contents

ï¿½ Smart Managed Plus Switch
ï¿½ Power cord or power adapter
ï¿½ Quick Install Guide
ï¿½ Resource CD with PC Utility software
ï¿½ Rackmount kit

Warranty

ï¿½ Switch Lifetime
ï¿½ Power adapter: 2 years

Safety

ï¿½ CE mark, commercial
ï¿½ CSA certified (CSA 22.2 #950)
ï¿½ UL listed (UL 1950)/cUL IEC 950/EN 60950

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Physical Specifications

ï¿½ Dimensions (mm):328x170x43
ï¿½ Weight (kg): 1.67
ï¿½ Fan: 1

L2 Services - VLANS

ï¿½ VLAN (# Supported): 100
ï¿½ IEEE 802.1Q VLAN Tagging
ï¿½ Port-based VLAN

L2 Services - Availability

ï¿½ Link Aggregation/ Port Trunking: Static Manual LAGs only
ï¿½ Number of static LAGs and # of members: 8 LAGs and 2 to 4 members

L2 Services - Multicast Filtering

ï¿½ IGMP Snooping (v1, v2 and v3
ï¿½ Block unknown Multicast
ï¿½ Supported Multicast groups: 64

L3 Services - DHCP

ï¿½ DHCP Client

Quality of Service

ï¿½ Rate limiting
ï¿½ IEEE 802.1p COS
ï¿½ Port-based VLAN
ï¿½ TOS
ï¿½ WRR (Weighted Round Robin)
ï¿½ Strict Priority queue technology

Micellaneous features

ï¿½ Loop detection
ï¿½ DoS Prevention
ï¿½ Broadcast Storm Control
ï¿½ Energy Efficient Ethernet (EEE)

LEDs

ï¿½ Per Port: Speed, Link, Activity
ï¿½ Per device: Power, Fan and PoE Status

Power Consumption (When all ports used, line-rate traffic and max POE

ï¿½ Worst case, all ports used, line-rate traffic, max PoE (W): 110.0
ï¿½ Heat Dissipation Max/ Standby(BTU/hr): Max: 34.2, Min: 14.4

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Please Enquire