

Netgear Prosafe JGS524PE 24-Port 10/100/1000 POE Smart Switch



Product Name: Netgear Prosafe JGS524PE 24-Port 10/100/1000 POE Smart Switch

Manufacturer: -

Model Number: JGS524PE-100EUS

Netgear Prosafe JGS524PE 24-Port 1/100/1000 Smart POE Switch

The Netgear Prosafe JGS524PE 24-Port 1/100/1000 Switch is a Smart Managed Plus Switch delivering affordable, essential networking features. It has 24 Gigabit Ethernet ports which can be used for any 10/100/1000 Mbps link and twelve of these ports can supply industry-standard IEEE 802.3af power. Netgear Prosafe JGS524PE Switch Key Features

- IEEE 802.3af power on up to 12 ports
- 24x 10/100/1000 Mbps Ports
- Smart Managed Plus Switch delivers network monitoring, traffic prioritization and VLAN
- Gigabit speed with QoS, VLAN and network monitoring
- Quality of Service (QoS) for traffic prioritization
- Automatic speed and full/half-duplex sensing on every port

The Netgear Prosafe JGS524PE has the ability to cost-effectively deliver Gigabit Ethernet networking speeds across a whole business network. Each port is equipped with automatically detecting 802.3af-compliant devices and will only provide power to these devices, in addition power will stop when the PoE devices are disconnected. The switch senses and adjusts network speed and cabling type automatically, for easy integration into your existing 10/100/1000 Ethernet network.

Netgear Prosafe JGS524PE Technical Specification

Product Features

- 24 Gigabit ports
- 12 PoE ports
- Total PoE power budget 100 watts
- 16K MAC entries
- 768KB Buffer size
- IEEE 802.3af compliant

Performance Features

- Store and forward forwarding modes
- 48Gbps bandwidth
- WRR and Strict Priority Queuing
- Up to 9K packet size jumbo frame support
- Acoustic noise (db) (ANSI-S10.12): 24.4
- 642,506 hrs MTBF

L2 Services - VLANS

- 100 VLAN supported
- IEEE 802.1Q VLAN tagging
- Port-based VLAN

L2 Services - Availability

- Link Aggregation/ Port Trunking: Static Manual LAG's only
- 8 Static Manual LAG's and 2 to 4 members

Netgear Prosafe JGS524PE 24-Port 10/100/1000 POE Smart Switch

L2 Services - Multicast Filtering

- IGMP Scoping (v1, v2 and v3)
- Blocks unknown Multicast

L3 Services - DHCP

- DHCP Client

Quality of Service (QOS)

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

IEEE Network Protocols

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

Management

- System Password
- Web browser based management GUI
- PC Utility
- Port Mirroring
- 23 Source ports allowed
- Many-to-One Port Mirroring
- Cable Test utility
- FW upgrade thru Plus Utility
- Config download (to Switch) thru Plus Utility
- Config upload (to Server)

Miscellaneous Features

- Loop Detection
- DoS Prevention
- Broadcast Storm Control
- Energy Efficient Ethernet (EEE)

LEDs

- Speed, Link, Activity per port

Netgear Prosafe JGS524PE 24-Port 10/100/1000 POE Smart Switch

½ Power, Fan and PoE Power Status per device

Physical Specification

½ Dimensions (mm): 328 x 170 x 43

½ Weight (kg): 1.84

½ Fan: 1

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

½ Worst case, all ports used, line-rate traffic, max PoE (W): 123.0

½ Heat Dissipation Max/Standby (BTU/hr): Max 78.7 / Min 19.8

Environmental Specifications

½ Operating temperature: 32° to 122°F (0° to 50°C)

½ Operating Humidity: 90% maximum relative humidity, non-condensing

½ Operating Altitude: 10,000 ft (3,000 m) maximum

½ Storage Temperature: -4° to 158°F (-20° to 70°C)

½ Storage Humidity: 95% maximum relative humidity, non-condensing

½ Storage Altitude: 10,000 ft (3,000 m) maximum

½ Certifications Class (including but not limited to CE mark, commercial, FCC Part 15, VCCI, EN55022 (CISPR22), C-Tick, EN50082-1, EN55024, CCC): A

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

Warranty and Support

½ Lifetime Warranty

½ Lifetime Tech Support via chat, 90 day tech support via email

½ Lifetime Next-Business-Day Replacement

½ ProSUPPORT / OnCall 24x7, Category 1** / Service Packs: PMB0311 (1 yr.) PMB0331 (3 yrs.) PMB0351 (5 yrs.)

Package Contents

½ Smart Managed Plus Switch

½ Power cord or power adapter

½ Quick Install Guide

½ Resource CD with PC Utility software

½ Rackmount kit

Please Enquire