

## Netgear Prosafe 24-port Unmanaged Gigabit Ethernet Switch (JGS524-200EUS)

Product Name: Netgear Prosafe 24-port Unmanaged Gigabit Ethernet Switch (JGS524-200EUS)



Manufacturer: Netgear

Model Number: JGS524-200EUS

Netgear Prosafe 24-port Unmanaged Gigabit Ethernet Switch (JGS524-200EUS)

The Netgear JGS524-200EUS is an unmanaged switch delivering affordable, essential networking features. It has 24 Gigabit Ethernet ports which can be used for any 10/100/1000 Mbps link.

Netgear JGS524-200EUS Switch Key Features

- 24 ports deliver up to 2000Mbps of dedicated, non-blocking bandwidth per port
- Instant Plug-N-Play connectivity with Auto-negotiation and Auto MDI/MDI-X
- Easily combine new or existing 10-, 100- and 1000Mbps devices within your network
- 802.1p QoS support for prioritising voice and video in the network
- Jumbo Frame Support up to 9KB
- Each port delivers up to 2000Mbps of network speed (full duplex)
- Fast, auto-switching and auto-sensing 10/100/1000Mbps Ethernet connection
- 24 switched ports provide bandwidth for PCs, servers or switches
- Auto Uplink; automatically adjusts for straight-through or crossover cables
- Plug and play; begins working as soon as it is powered on
- Integrates 10-, 100- and 1000Mbps devices into your network
- Compact size for desktop or for mounting in a standard 19-inch rack
- Secure, durable metal housing includes a Kensington locking slot for theft prevention
- Backed by a NETGEAR Lifetime Warranty
- Honors TOS/802.1p prioritisation
- Up to 50% lower power consumption
- Auto power-down mode saves energy when port is unused
- Auto green mode detects cable length and adjusts power usage to save energy
- Packaging manufactured with at least 80% recycled materials

Netgear JGS524-200EUS Technical Specification

Network Ports

- 24 10/100/1000 Mbps Ethernet RJ-45 ports

Performance

- Switching bandwidth: 48 Gbps
- Forwarding Rate: - 10 Mbps port: 14,880 frames/sec - 100 Mbps port: 148,800 frames/sec - 1000 Mbps port: 1,488,000 frames/sec
- Latency (using 64 byte packets): - 10 Mbps: 35  $\mu$ s (max) - 100 Mbps: 30  $\mu$ s (max) - 1000 Mbps: 15  $\mu$ s (max)
- RAM buffer: 256KB
- MAC address database: 8 K
- Mean time between failures (MTBF): 238,872 hours

Power Consumption

- Power cord: 100-240V; 50-60 Hz; plug is localised to country of sale
- 17.9W max

Standards Compliance

## Netgear Prosafe 24-port Unmanaged Gigabit Ethernet Switch (JGS524-200EUS)

- IEEE 802.3i 10BASE-T Ethernet
- IEEE 802.3u 100BASE-TX Fast Ethernet
- IEEE 802.3ab 1000BASE-T Gigabit Ethernet
- IEEE 802.3 flow control
- IEEE 802.3 CAMA/CD
- IEEE 802.3az Energy Efficient Ethernet
- Jumbo frame support (up to 9KB)

### Status LEDs

- Unit: power
- Per network port: Link, activity, speed

### Physical Specifications

- Dimensions (h x w x d): 328 x 169 x 43mm (12.9 x 6.7 x 1.7in)
- Weight: 1.65kg (3.64lb)

### Environmental Specifications

- Operating temperature: 0°C to 50°C (32°F to 122°F)
- Operating humidity: 90% maximum relative humidity, non-condensing
- Storage temperature: -20°C to 70°C (-4°F to 158°F)
- Storage humidity: 10 to 95% relative humidity

### Electromagnetic Compliance

- CE Class A, included EN 55022 (CISPR 22) and EN 55024
- FCC Part 15 Class A
- VCCI Class A
- C-Tick Class A
- KCC
- CCC

### Safety Agency Approvals

- UL (UL 60950-1)/ cUL
- CE LVD (EN 60950-1)
- CB
- KCC
- CCC
- RU EAC

### System Requirements

- UTP Category 5 cables or better
- Network software (e.g., Windows®; Mac®; OS, Linux)

### Warranty

- NETGEAR Lifetime Warranty

ProSupport Service Packs Available

## Netgear Prosafe 24-port Unmanaged Gigabit Ethernet Switch (JGS524-200EUS)

1/2 OnCall 24x7, Category 1:- PMB0331-100 (US)- PMB0331 (non-US)

### Package Contents

- 1/2 24-port Gigabit Ethernet Switch
- 1/2 Power cord
- 1/2 Installation guide
- 1/2 Rack-mount kit
- 1/2 Warranty/support information card

**Price: £91.90**