

# 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

ī సైస్ట్ 24 ports deliver up to 2000Mbps of dedicated, non-blocking bandwidth per port

រ៉េ្ជ½ Instant Plug-N-Play connectivity with Auto-negotiation and Auto MDI/MDI-X

Ti<sub>2</sub>½ Easily combine new or existing 10-, 100- and 1000Mbps devices within your network

าั¿½ 802.1p QoS support for prioritising voice and video in the network

ï¿1/2 Jumbo Frame Support up to 9KB

� Each port delivers up to 2000Mbps of network speed (full duplex)

آذِيًّ Fast, auto-switching and auto-sensing 10/100/1000Mbps Ethernet connection

آذًا 24 switched ports provide bandwidth for PCs, servers or switches

آذِيًّ Auto Uplink™ automatically adjusts for straight-through or crossover cables

រ៉េ្យ Plug and play— begins working as soon as it is powered on

าั¿½ Integrates 10-,100- and 1000Mbps devices into your network

12.1/2 Compact size for desktop or for mounting in a standard 19-inch rack

าั¿½ Secure, durable metal housing includes a Kensington locking slot for theft prevention

� Backed by a NETGEAR Lifetime Warranty

ï¿⅓ Honors TOS/802.1p prioritisation

ï¿1/2 Up to 50% lower power consumption

า๊¿½ Auto power-down mode saves energy when port is unused

آذِرًا Auto green mode detects cable length and adjusts power usage to save energy

ī¿½ Packaging manufactured with at least 80% recycled materials

Netgear JGS524-200EUS Technical Specification Network Ports

ï¿1/2 24 10/100/1000 Mbps Ethernet RJ-45 ports

## Performance

ï¿⅓ Switching bandwidth: 48 Gbps

าะ/ Forwarding Rate: - 10 Mbps port: 14,880 frames/sec - 100 Mbps port: 148,800 frames/sec -

1000 Mbps port: 1,488,000 frames/sec

าั¿½ Latency (using 64 byte packets): - 10 Mbps: 35 μs (max) - 100 Mbps: 30 μs (max) -

1000 Mbps: 15 μs (max) 12½ RAM buffer: 256KB

ï¿1/2 MAC address database: 8 K

� Mean time between failures (MTBF): 238,872 hours

#### Power Consumption

ัเ¿½ Power cord: 100-240V; 50-60 Hz; plug is localised to country of sale ัเ¿½ 17.9W max

Standards Compliance



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

� IEEE 802.3i 10BASE-T Ethernet

آزٰ IEEE 802.3u 100BASE-TX Fast Ethernet

آذِ1⁄2 IEEE 802.3ab 1000BASE-T Gigabit Ethernet

� IEEE 802.3x fl ow control

� IEEE 802.3 CAMA/CD

آزار IEEE 802.3az Energy Efficient Ethernet

� Jumbo frame support (up to 9KB)

## Status LEDs

ï¿⅓ Unit: power

ï¿1/2 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**

Ti21/2 Operating temperature: 0° to 50° C (32° to 122° F)

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

آذِا \Storage temperature: -20° to 70° C (-4° to 158º F)

ï¿1/2 Storage humidity: 10 to 95% relative humidity

### Electromagnetic Compliance

آذِر CE Class A, included EN 55022 (CISPR 22) and EN 55024

ï¿1/2 FCC Part 15 Class A

� VCCI Class A

� C-Tick Class A

ï¿⅓ KCC

ï¿⅓ 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

آزا 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)

ī¿½ OnCall 24x7, Category 1:- PMB0331-100 (US)- PMB0331 (non-US)

# Package Contents

� 24-port Gigabit Ethernet Switch

� Power cord

ï¿⅓ Installation guide

� Rack-mount kit

ï¿1/2 Warranty/support information card

Price: £91.90