

More Capabilities beyond Plug-and-play Connectivity



Today's growing businesses are both placing more demands on and relying more on their network. Companies are putting more applications and demands on their Ethernet Infrastructure. Using VoIP phones and IP cameras require more than simple plug-and-play connectivity. Additionally, Internet-based applications such as Hotmail and Google Calendaring have made keeping the network up a business-critical need. However, companies do not necessarily have more money or advanced training to deal with complex managed switches. NETGEAR's new ProSafe Plus Switches meet this growing need by providing easy to use visibility and limited configuration capabilities. To provide more insight into the network behavior, ProSafe Plus Switches offer traffic monitoring for users to observe traffic behavior. Additionally, if there are connectivity issues, these switches offer a cable diagnostic test capability that can identify and even locate problems in the cables. To optimize traffic through the switches, ProSafe Plus Switches offer both port and tag-based prioritization to keep latency-sensitive traffic moving ahead of less critical packets. Also, as a means of improving security or managing collision domains, ProSafe Smart Switches offer VLAN technology. ProSafe Plus Switches offering these monitoring and configuration capabilities at a slight cost premium over unmanaged switches, delivering great value to the end user.

Additionally, furthering NETGEAR's support of the environment, ProSafe Plus Switches have power-saving Green Ethernet technology. The JFS524E is the first 24-port Fast Ethernet on the market with such Green Ethernet features. The switch comes in a sturdy metal case with a fan-less design for silent operation.

**Features**

- Use as a plug-and-play switch or use the Configuration Utility for simple setup
- 24 ports deliver up to 200 Mbps bi-directional bandwidth on each port
- Quality of Service (QoS) for prioritizing network traffic
- Virtual LAN (VLAN) support for network segmentation and security
- Troubleshoot connection problems via cable test
- Bandwidth management to avoid network congestions
- Network traffic monitoring
- Port Mirroring
- Broadcast Storm Control



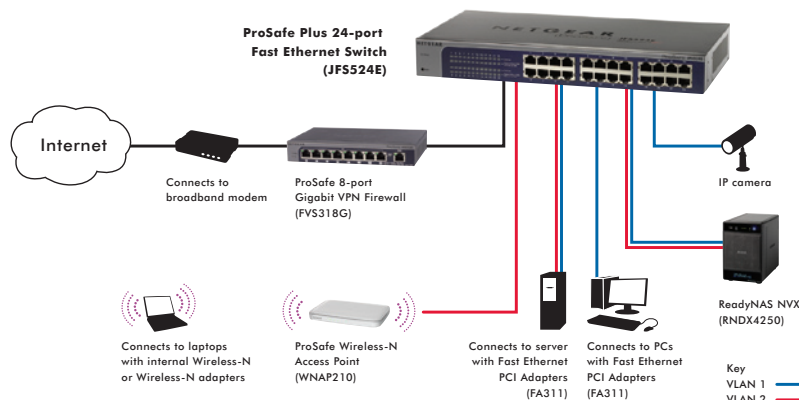
**NETGEAR Green**

- Up to 63% lower power consumption<sup>1</sup>
- Auto power-down mode conserves energy when a port is not connected
- Less transmit power when the cable is short (under 10 m)
- Packaging manufactured with at least 80% recycled material

The NETGEAR Difference

**JFS524E**

- ✓ Power Saving on Fast Ethernet Switch
- ✓ Configurable with simple set up
- ✓ Prioritize video/voice
- ✓ Monitor network traffic
- ✓ Create network groups



1-888-NETGEAR (638-4327)  
Email: info@NETGEAR.com



Features	FS116	JFS524	FS116E	JFS524E
10/100 Mbps ports	16	24	16	24
Auto Uplink™	●	●	●	●
Divide network into groups (VLAN)			●	●
Set traffic priority (QoS)			●	●
Bandwidth control			●	●
Cable Test			●	●
Green Ethernet			●	●
Rack-mountable		●		●
Warranty	Lifetime	Lifetime	Lifetime	Lifetime

## Technical Specifications

### • System Requirements

- Ethernet Category 5 cable
- Network card for each PC
- Microsoft® Windows® XP or Vista for running Configuration Utility

### • Standards Compliance

- IEEE 802.3i 10BASE-T Ethernet
- IEEE 802.3u 100BASE-TX Fast Ethernet
- IEEE 802.3x full-duplex flow control
- Honors IEEE 802.1p priority tags
- Honors IEEE 802.1Q VLAN tags
- Compatible with all major network software

### • Network Ports

- Twenty-four (24) 10/100 Mbps Ethernet RJ-45 ports

### • AC Power

- 100-240V, 50-60Hz, 1.2A max, localized to country of sale
- Power consumption: 5.9W

### • Status LEDs

- Unit: Power
- Per network port: 10 or 100 Mbps operations, Rx/Tx and collision, link, half/full duplex

### • Performance

- MAC address: 4 K
- Bandwidth: 4.8 Gbps

### • Physical Specifications

- Dimensions: (h x w x d)  
43 x 330 x 173 mm (1.7 x 13 x 6.8 in)
- Weight: 1.43 kg (3.15 lb)

### • Environmental Specifications

- Operating temperature: 32° to 122° F (0° to 50 °C)
- Operating humidity: 90% maximum relative humidity, non-condensing
- Acoustic noise level: 0
- Mean time between failures (MTBF): 1,952,478 hours (~ 223 years)

### • Electromagnetic Compliance

- CE mark (commercial), FCC Part 15 Class A, EN 55022 (CISPR 22) Class A, VCCI Class A, C-Tick, KCC

### • Safety Agency Approvals

- UL listed (UL 1950)/CUL, CB, CCC

### Warranty

- NETGEAR Lifetime Warranty

## ProSupport Service Packs Available

### • OnCall 24x7, Category 1

- PMB0331-100 (US)
- PMB0331 (non-US)

### • XPressHW, Category 1

- PRR0331

## Package Contents

- ProSafe® Plus 24-port Fast Ethernet Switch (JFS524E)
- Rack-mount kit
- Power cord
- Quick Install Guide
- Installation CD with Configuration Utility software

## Related Products

- ProSafe Plus 16-port Fast Ethernet Switch (FS116E)
- ProSafe Plus 5-port Gigabit Ethernet Switch (GS105E)

## Ordering Information

- Asia: JFS524E-100AJS
- North America: JFS524E-100NAS
- General Europe: JFS524E-100PES
- UK: JFS524E-100UKS

# NETGEAR®

350 E. Plumeria Drive  
San Jose, CA 95134-1911 USA  
1-888-NETGEAR (638-4327)  
E-mail: info@NETGEAR.com  
www.NETGEAR.com

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This product comes with a limited warranty, the acceptance of which is a condition of sale. This product has been tested for quality assurance and this product or its components may have been recycled.

\*Basic technical support provided for 90 days from date of purchase.

<sup>1</sup>Maximum power savings when compared to the equivalent NETGEAR Unmanaged product.

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