The NETGEAR® Fast Ethernet Unmanaged Switches series are purposely designed, well built and rigorously tested for small and medium-sized networks where reliability and performance are the keys while Plug-N-Play connectivity and operational cost savings are the must-haves. With a 1U form factor, they can be placed on the desktop or rack-mounted with the included rack-mount kit for professional installation.

The JFS516 and JFS524 come with 16 and 24 ports 10/100Mbps copper ports respectively. They offer energy efficiency features and are compliant with the IEEE 802.3az standard. Both models are fanless for silent operation, business class rugged, and come with a lifetime warranty*.

### Highlights

**Instant Network Connectivity for Your Small Business and Home Office**
- Non-blocking switching architecture forwards and filters packets at full wire-speed for maximum throughput
- Up to 24 ports, each delivering up to 200Mbps of dedicated network bandwidth to servers, PCs and network devices
- Energy Efficient Ethernet (IEEE802.3az) for optimized power saving
- Rugged metal case and fanless design for reliable and silent operation

**Business-Class, Built with Performance and Reliability**
- Plug-and-play—begins working as soon as it’s powered on
- Auto MDI/MDI-X automatically adjusts for straight-through or crossover cables
- Auto Sensing and IEEE 802.3 Nway Auto Negotiation
- IEEE 802.3x Flow Control
- IEEE 802.1p QoS for traffic prioritization
- Intelligent LEDs for port link status and activity
- Compact size for the desktop or for mounting in a standard 19-inch rack
- Backed by a NETGEAR Lifetime Warranty*
Hardware at a Glance

<table>
<thead>
<tr>
<th>Model Name</th>
<th>Form-Factor</th>
<th>10/100Base-T RJ45 Ports</th>
<th>LED</th>
<th>Power Supply</th>
</tr>
</thead>
<tbody>
<tr>
<td>JFS516v2</td>
<td>Rackmount</td>
<td>16</td>
<td>Speed, Link and Activity</td>
<td>Internal</td>
</tr>
<tr>
<td>JFS524v2</td>
<td>Rackmount</td>
<td>24</td>
<td>Speed, Link and Activity</td>
<td>Internal</td>
</tr>
</tbody>
</table>

Performance at a Glance

<table>
<thead>
<tr>
<th>Model Name</th>
<th>Packet buffer</th>
<th>MAC address table</th>
<th>Switching Fabric</th>
<th>Jumbo Frames</th>
<th>IEEE 802.1p</th>
</tr>
</thead>
<tbody>
<tr>
<td>JFS516v2</td>
<td>2Mb</td>
<td>8K</td>
<td>3.2Gbps</td>
<td>2KB</td>
<td>Yes</td>
</tr>
<tr>
<td>JFS524v2</td>
<td>2Mb</td>
<td>8K</td>
<td>4.8Gbps</td>
<td>2KB</td>
<td>Yes</td>
</tr>
</tbody>
</table>
The NETGEAR ProSAFE Fast Ethernet Switch, the right-sized solution with the best value

- Fast Ethernet for the best value at the most affordable price
- IEEE 802.1p QoS for traffic prioritization
- Fanless design for quiet operation
- Energy Efficient Ethernet (EEE) for optimized power and cost savings
- Lifetime warranty for peace-of-mind
## ProSAFE® Fast Ethernet Rack Mountable Switches Data Sheet

### FEATURES

<table>
<thead>
<tr>
<th>Feature</th>
<th>JFS516v2</th>
<th>JFS524v2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethernet Speed</td>
<td>10/100Mbps Fast Ethernet</td>
<td>10/100Mbps Fast Ethernet</td>
</tr>
<tr>
<td>Number of ports</td>
<td>16</td>
<td>24</td>
</tr>
<tr>
<td>Short cable power saving</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Energy Efficient Ethernet Support IEEE 802.3az</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Queue WRR Ratio</td>
<td>8:4:2:1</td>
<td>8:4:2:1</td>
</tr>
<tr>
<td>MAC Table Size</td>
<td>8K</td>
<td>8K</td>
</tr>
<tr>
<td>Packet buffer Size</td>
<td>2Mb</td>
<td>2Mb</td>
</tr>
<tr>
<td>Jumbo Frames</td>
<td>2KB</td>
<td>2KB</td>
</tr>
<tr>
<td>IEEE 802.1p QoS</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>MTBF (hours)</td>
<td>2,956,082</td>
<td>2,940,540</td>
</tr>
</tbody>
</table>

### IEEE NETWORK PROTOCOLS

<table>
<thead>
<tr>
<th>Protocol</th>
<th>JFS516v2</th>
<th>JFS524v2</th>
</tr>
</thead>
<tbody>
<tr>
<td>IEEE 802.3 Ethernet</td>
<td>IEEE 802.3i 10BASE-T</td>
<td>IEEE 802.3i 10BASE-T</td>
</tr>
<tr>
<td>IEEE 802.3i 10BASE-T</td>
<td>IEEE 802.3x Full-duplex Flow Control</td>
<td>IEEE 802.3u 100BASE-T</td>
</tr>
<tr>
<td>IEEE 802.1p Class of Service</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### PHYSICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>JFS516v2</th>
<th>JFS524v2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight (kg)</td>
<td>0.92 (2.03 lbs)</td>
<td>1.00 (2.20 lbs)</td>
</tr>
<tr>
<td>Dimensions (WxDxH) mm</td>
<td>280 x 126 x 44 mm</td>
<td>280 x 126 x 44 mm</td>
</tr>
</tbody>
</table>

### POWER CONSUMPTION (WHEN ALL PORTS USED, LINE-RATE TRAFFIC)

<table>
<thead>
<tr>
<th>Specification</th>
<th>JFS516v2</th>
<th>JFS524v2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Worst case, all ports used, line-rate traffic</td>
<td>2.7W</td>
<td>4.0W</td>
</tr>
</tbody>
</table>
Technical Specifications

LEDs
Per port
• Speed, Link, Activity
Per device
• Power

Environmental Conditions
Operating
Temperature
• 32°F to 122°F (0°C to 50°C)
Humidity
• 90% maximum relative humidity, non-condensing
Altitude
• 10,000 ft (3,000 m) maximum

Electromagnetic Emissions and Immunity
Certifications
• CE Class A
• FCC Part 15 Class A
• VCCI Class A
• EN 55022 (CISPR 22) Class A
• EN 55024
• CCC

Safety
Certifications
• UL listed (UL 1950)/cUL IEC 950/EN 60950
• CCC (China Compulsory Certificate)
• CB
• KCC
• GHOST

Warranty and Support*
• ProSAFE Lifetime Warranty
• Lifetime 24x7 Online Chat Technical Support
• 90 days (24/7) Live Phone Technical Support
• Lifetime Next Business Day (NBD) Hardware Replacement

ProSUPPORT Service Packs Available
• On Call 24 x 7, Category 1**
  - PMB0311 (1 yr.)
  - PBM0331 (3 yrs.)
  - PMB0351 (5 yrs.)

Ordering Information

Package Content
• 16- or 24-port Fast Ethernet Switch (JFS516v2 or JFS524v2)
• Power cord
• Rack-mounting kit
• Hardware Install Guide

Ordering Information

North America and Latin America:
JFS516-200NAS
JFS524-200NAS

Europe:
JFS516-200EUS
JFS524-200EUS

Asia:
JFS516-200AUS
JFS524-200AUS

China:
JFS524-200PRS

* This product comes with a limited warranty that is valid only if purchased from a NETGEAR authorized reseller, and modifications to product may void the warranty; covers hardware, fans, and internal power supplies—not software or external power supplies; see http://www.netgear.com/about/warranty/ for details. 2-year warranty on power adapters on applicable models. Lifetime technical support includes basic phone support for 90 days from purchase date and lifetime online chat support when purchased from a NETGEAR authorized reseller.

** The NETGEAR OnCall 24x7 contract provides unlimited phone and email technical support for your networking product. For ProSAFE products purchased prior to 06/2014, also includes next business day hardware replacement.

† NETGEAR #1 in US Market Share according to NPD data for Unmanaged and Web/Smart Switches, April 2015.