



# JGS524F

## ProSafe™ 24 Port Gigabit Rackmount Switch with 2 SFP Slots

- *Help is there when you need it! NETGEAR provides 24x7 technical support\* in English, with selected local language support during office hours.*

### Take Gigabit to the Desktop

NETGEAR's ProSafe™ 24 Port Gigabit Rackmount Switch with 2 SFP slots JGS524F gives your office network a megaboost of speed, distance, and capacity that is within your budget. With 24 10/100/1000 Mbps ports, each capable of powering 2000 Mbps of data throughput in full duplex mode, plus two optional fiber ports, users can take advantage of their ability to deliver large amounts of multimedia, image, and video information across long distances. Use it to take Gigabit Ethernet directly to the desktop! Standards-based for easy integration of 10, 100, and 1000 Mbps devices, this unmanaged, rack-mountable switch features automatic speed and full/half-duplex sensing plus Auto Uplink™ on every port. Two hot-swappable Small Form-factor Pluggable (SFP)\*\* GBIC slots provide optional fiber connectivity for greater distance. Ideal for workgroups, labs, departments, or growing offices looking for outstanding performance at a low price.

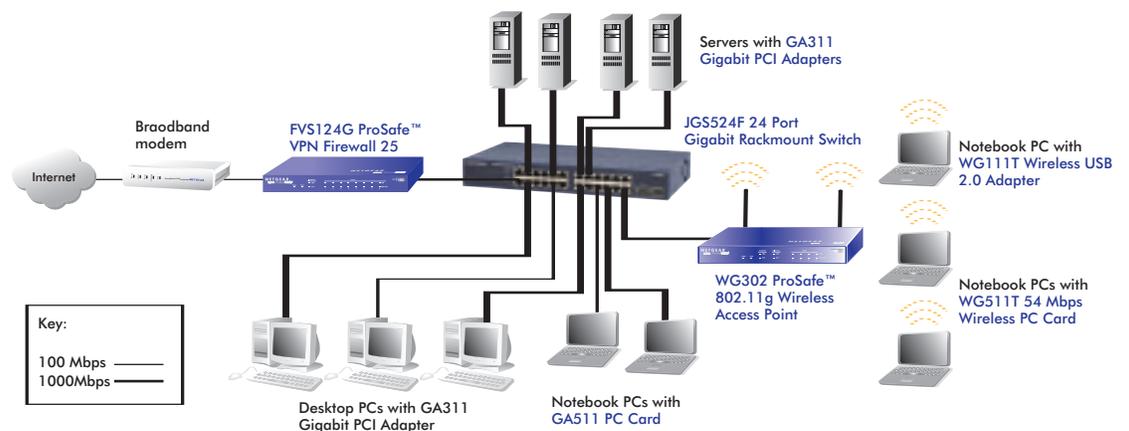
**High Capacity** ● 1000 Mbps speeds and a switching capacity of up to 48 Gbps meet the performance needs for even the most bandwidth-hungry applications. Two SFP GBIC fiber slots provide optional fiber connectivity for greater distances.

**Affordable** ● Aggressive prices enable your workgroup, department or small network to ramp up to Gigabit speeds, even all the way to the desktop.

**Flexible** ● Each port is equipped with automatic speed and duplex sensing, plus Auto Uplink to adjust for straight-through or crossover cables to make the right link. Standards-based design makes it easy to combine 10, 100, and 1000 Mbps devices on your network.

**Convenient** ● Easy to set up and easy to use, these unmanaged switches have per port LED's for effortless network monitoring. Compact enough for desktop but comes with a rack mount kit. Compatible with PC, Macintosh, Linux, and Unix operating systems.

\*\*Use with NETGEAR AGM731F 1000BASE-SX SFP GBIC module or NETGEAR AGM732F 1000BASE-LX SFP GBIC module.



## Physical Specifications

- Performance
  - **Switching bandwidth:** 48 Gbps
  - **Forward rate (1000 Mbps port):** 1,480,000 packet per sec
  - **Forward rate (100 Mbps port):** 148,000 packets per sec
  - **Forward rate (10 Mbps port):** 14,800 packets per sec
  - **Latency (1000 to 1000 Mbps):** 20  $\mu$ s max
  - **Packet Buffer Memory:** 2 Mb
  - **MAC address database:** 8,000
  - **Mean Time Between Failure (MTBF):** 87,600 hours
- Network Ports
  - 24 10/100/1000 Mbps twisted-pair RJ-45 ports
  - 2 SFP slots for mini GBIC modules
- Power Consumption
  - 100~240V; 50-60Hz; plug is localized to country of sale
  - 40W max
- Standards Compliance
  - IEEE 802.3i 10BASE-T Ethernet
  - IEEE 802.3u 100BASE-TX Fast Ethernet
  - IEEE 802.3ab 1000BASE-T Gigabit Ethernet
  - IEEE 802.3z 1000BASE-X Gigabit Ethernet
  - IEEE 802.3X Flow Control
- Status LEDs
  - **Unit:** power
  - **Per network port:** Link, Activity, Speed
- Physical Specifications
  - **Dimensions (h x w x d):** 43 x 330 x 107 mm (1.7 x 13 x 6.6")
  - **Weight:** 2.4 kg (5.3 lbs)

- Environmental Specifications
  - **Operating temperature:** 0 to 40° C (32 to 104° F)
  - **Operating humidity:** 90% maximum relative humidity, noncondensing
  - **Storage temperature:** -20 to 70° C (-4 to 158° F)
  - **Storage humidity:** 10 to 95% Relative Humidity

- Electromagnetic Compliance
  - CE mark, commercial
  - FCC Part 15 Class A
  - VCCI Class A
  - EN 55022 (CISPR 22), Class A, EN 50082-1,
  - EN 55024
  - C-Tick

- Safety Agency Approvals
  - UL listed (UL 1950)/cUL
  - IEC950/EN60950

- Warranty
  - NETGEAR 2-year warranty

## System Requirements

- UTP Category 5 cables or better
- Network card for each PC or server (e.g. NETGEAR GA311)

## Package Contents

- Gigabit Ethernet Switch JGS524F
- Power adapter
- Installation guide
- Rackmount kit
- Warranty/Support information card

## Module

- NETGEAR ProSafe AGM731F 1000BASE-SX SFP GBIC module
- NETGEAR ProSafe AGM732F 1000BASE-LX SFP GBIC module
- NETGEAR ProSafe AGM733 1000BASE-ZX SFP GBIC module

## NETGEAR Related Products

- GA311 Copper Gigabit PCI Adapter
- GA311 32-bit Gigabit PCI Adapter
- GA511 Gigabit PC Card
- GS105 ProSafe 5 Port Gigabit Desktop Switch
- GS108 ProSafe 8 Port Gigabit Desktop Switch
- GS116 ProSafe 16 Port Gigabit Desktop Switch
- JGS516 ProSafe 16 Port Gigabit Rackmount Switch
- JGS524 ProSafe 24 Port Gigabit Rackmount Switch
- GS516T ProSafe 16 Port Gigabit Rackmount Switch
- GS524T ProSafe 24 Port Gigabit Rackmount Switch
- GS524T ProSafe 24 Port Rackmount Switch



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\* Free basic installation support provided for 90 days from date of purchase. Advanced product features and configurations are not included in free basic installation support; optional premium support available.

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