

FS728TS/FS752TS

ProSafe™ 24 and 48 Port 10/100 Stackable Smart Switches with 4 Gigabit Ports



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

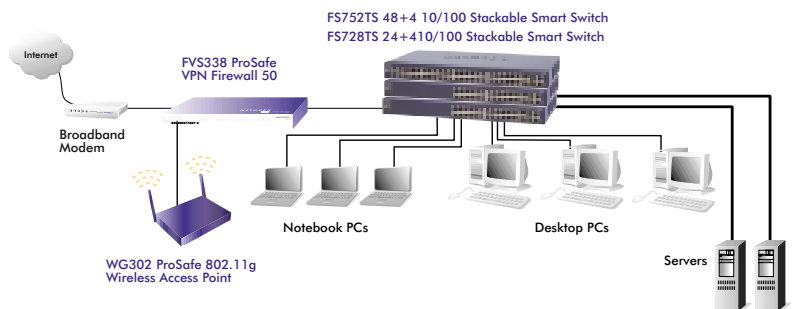
More Flexible, More Powerful Smart Switching!

NETGEAR expands its line of award-winning ProSafe Smart Switches with a suite of 10/100 Stackable Smart Switches. The ProSafe Stackable Smart Switches adds the flexibility of economical, modular growth paired with a more robust management feature set and still gives you the ease of use and affordability you expect from ProSafe Smart Switches. With options of 24 or 48 10/100 ports, both of the Stackable Smart Switches offer 4 Gigabit Ethernet ports for high speed connectivity. Two of the Gigabit Ethernet ports offer the option of fiber connectivity via Small Form-factor Pluggable (SFP) GBIC** slots for long distance links. NETGEAR's ProSafe FS728TS and FS752TS deliver performance and scalability through a 4Gbps, dual-ring, resilient stacking architecture with the ability to mix and match to stack up to six units or 192 10/100 ports—and manage them all at a single IP address! The non-blocking design of the switches deliver simultaneous, full wire-speed, low-latency throughput to all ports. Shipped ready to go straight out of the box, they deliver switching that's easy to set up, stack-up and use.

The popular intuitive, Web-browser interface offers the Smart Switch management, making it a snap to monitor stack performance, configure ports, even set up port trunks, VLANs, and traffic prioritization. In addition, the ProSafe Stackable Smart Switches expand on the current ProSafe Smart Switch feature set by adding 801.x security, SNMP v2c and v3 support, logging, rate limiting and Layer 3 prioritization. NETGEAR's ProSafe Stackable Smart Switches are value-packed switches targeted at the demands of growing businesses for a network infrastructure solution that delivers performance, scalability, ease-of-use, and affordability.

- Flexible** ● Grow your network as you grow your business, adding switches to the stack as you need them. Mix and match 24 or 48 port switches for up to 192 ports controlled at a single point. Two SFP GBIC fiber slots provide optional fiber connectivity for greater distance. Use either copper or fiber connections to connect up your stack
- Powerful** ● In addition to stacking capability and popular key management features, these third generation Smart Switches offer more control such as 802.1x for security, layer 3 traffic prioritization, SNMP v2c and v3, and rate limiting.
- Right-Sized** ● Ideal for growing businesses who want the benefits of management without the cost and complexity of a managed network. Stack them right out of the box without management configuration!
- Well-Designed** ● LEDs located on the front panel make switch status easy to observe and troubleshooting easy to accomplish. Made to last, these durable switches are housed in a 17-inch metal box and comes with a rack mounting kit.

**Use with AGM731F ProSafe 1000BASE-SX SFP GBIC, AGM732F ProSafe 1000BASE-LX SFP GBIC, or AGM733 ProSafe 1000BASE-LZ SFP GBIC module



Technical Specifications

• Network Protocol and Standards

Compatibility:

- IEEE 802.3 10BASE-T
- IEEE 802.3u 100BASE-TX
- IEEE 802.3ab 1000BASE-T
- IEEE 802.3z 1000BASE-X
- IEEE 802.3x full-duplex flow control

• Interfaces

- FS728TS: 24 10/100 Mbps auto sensing Fast Ethernet switching ports
- FS752TS: 48 10/100 Mbps auto sensing Fast Ethernet switching ports
- 4 Built-in RJ-45 Gigabit Ethernet ports for 10/100/1000 Mbps connectivity
- 2 SFP slots for fiber Gigabit Ethernet modules

• Port Functions

- Auto-sensing and auto-negotiating capabilities for all ports
- Auto Uplink™ on all ports to make the right connection

• Administrative Switch Management

- IEEE 802.1Q VLAN (128 groups, Static or Dynamic)
- IEEE 802.1p Class of Service (CoS)
- Port-based QoS
- IEEE 802.3ad Link Aggregation (LACP)p
- IEEE 802.1D Spanning Tree Protocol
- SNMP v1, v2c, v3
- RFC 1213 MIB II
- RFC 1643 Ethernet Interface MIB
- RFC 1493 Bridge MIB
- RFC 2131 DHCP client
- IEEE 802.1x
- Port-based security by locked MAC addresses
- Storm control for broadcast, multicast and unknown unicast packets
- Port-based ingress/egress rate limiting
- STNP
- RMON group 1, 2, 3, 9
- Private Enterprise MIB
- Port Mirroring Support
- Web-based configuration
- Configuration Backup/Restore
- Password Access Control
- Firmware upgradeable

• Active Flow Control

- Half-duplex back-pressure control
- Full-duplex IEEE 802.3x pause frame flow control

• Performance Specifications

- **Forwarding modes:** Store-and-forward
- **Bandwidth:** 12.8 Gbps for FS728TS, 17.6 Gbps for FS752TS
- **Network latency:** Less than 20 microseconds for 64-byte frames in store-and-forward mode for 100 Mbps to 100 Mbps transmission
- **Buffer memory:** 128 KB
- **Address database size:** 8,000 media access control (MAC) addresses per system
- **Addressing:** 48-bit MAC address
- **Mean Time Between Failure (MTBF):** 100,000 hours (-11 years) for FS728TS, 84,000 hours

(-9 years) for FS752TS

• LEDs

- **Unit:** Power, Master, Stack ID
- **Per Port:** Link, Speed, Activity
- **Per Gigabit Port:** Link, Speed, Activity, Stack

• Power Supply

- **Power Consumption:** 15 W maximum
- 100-240VAC/50-60 Hz universal input

• Physical Specifications

- **Dimensions (H x W x D):** 1.7 x 17.8 x 8.1 in. (43 x 440 x 205 mm)
- **Weight:** FS728TS: 5.73 / 2.6 (lbs/kg)
FS752TS: 6.57 / 2.98 (lbs/kg)

• Environmental Specifications

- **Operating temperature:** 32 to 122° F (0 to 50° C)
- **Storage temperature:** -4 to 158° F (-20 to 70° C)
- **Operating humidity:** 90% maximum relative humidity, non-condensing
- **Storage humidity:** 95% maximum relative humidity, non-condensing
- **Operating altitude:** 10,000 ft (3,000 m) maximum
- **Storage altitude:** 10,000 ft (3,000 m) maximum

• Electromagnetic Compliance

- CE mark, commercial
- FCC Part 15 Class A
- VCCI Class A
- EN 55022 (CISPR 22),
- EN 55024 (CISPR 24)
- C-Tick

• Safety

- CE mark, commercial
- CUL 60950 (Listed)/ EN60950 (Low Voltage Directive)

• Warranty

- NETGEAR 5-year warranty

System Requirements

- Category 5 network cables
- Network card for each PC
- Network software (e.g., Windows®)

Package Contents

- FS728TS/FS752TS ProSafe 24/48 port Stackable Smart Switch with 4 Gigabit Ports
- Rubber footpads
- Power cord
- Rack-mount kit
- Resource CD Installation Guide
- Warranty/Support information card

Modules

- AGM731F ProSafe 1000BASE-SX SFP GBIC: Module with LC connectors for 50um or 62.5um multi-mode fiber cable
- AGM732F ProSafe 1000BASE-LX SFP GBIC: Module with LC connectors for 9um single-mode fiber cable
- AGM733 ProSafe 1000BASE-LZ SFP GBIC: Module with LC connectors for 9um single-mode fiber cable

NETGEAR ProSafe Related Products

- GA311 32-bit Gigabit PCI Adapter
- GA511 Gigabit PC Card Adapter
- FS726TP 24 Port 10/100 Smart Switch w/2 Gigabit Ports and PoE
- FS726T 24 port 10/100 Smart Switch with 2 Gigabit ports
- FS750T2 48 port 10/100 Smart Switch with 2 Gigabit ports
- GS716T 16 port Gigabit Smart Switch
- GS724T 24 port Gigabit Smart Switch
- GS748T 48 port Gigabit Smart Switch
- NMS100 ProSafe Network Management System
- PMB0331 ProSupport OnCall 24x7 Support Service
- ProSupport Maintenance Services:
 - PMB0331 OnCall 24x7
 - PRR0331 XPressHW
- PRR0331 ProSupport XPressHW Support Service

NETGEAR®

4500 Great America Parkway
Santa Clara, CA 95054 USA
Phone: 1-888-NETGEAR (638-4327)
E-mail: info@NETGEAR.com
www.NETGEAR.com

©2005 NETGEAR, Inc. NETGEAR®, the Netgear Logo, Auto Uplink, ProSafe, and Everybody's connecting are trademarks or registered trademarks of Netgear, Inc. in the United States and/or other countries. Microsoft, Windows, Windows Media, and the Windows logo are trademarks, or registered trademarks of Microsoft Corporation in the United States and/or other countries. Other brand and product names are trademarks or registered trademarks of their respective holders. Information is subject to change without notice. All rights reserved.

* 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.