

FS728TS/FS752TS/FS752TPS

ProSafe Stackable Smart Switch Family 24+4, 48+4 and 48+4 with PoE



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

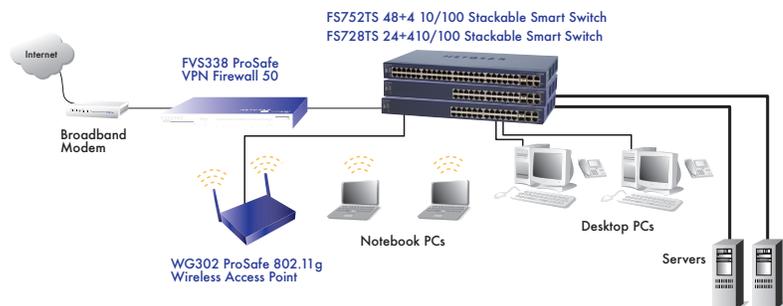
Stackable Switches Designed for Small, Growing Businesses

Small and growing companies “bet the business” on their network, depending on it as the essential nerve center for applications, VoIP phones, videoconferencing, and much more. Businesses with 40-150 users want full-featured network switches that can support the full range of network applications, but without enterprise-class pricing, training, and support requirements. The ProSafe Stackable Smart Switch family delivers the flexibility, reliability, and performance growing businesses need at very affordable prices – in an easy-to-use package. Each ProSafe Stackable Smart Switch comes with 24 or 48 10/100 ports and four Gigabit ports. Up to 24 ports of Power over Ethernet (PoE) are also available, making these switches ideal for deploying wireless access points, VoIP phones, and surveillance cameras. Two of the Gigabit Ethernet ports offer the option of fiber connectivity via Small Form-factor Pluggable (SFP) GBIC** slots for long distance links. A 4Gbps, dual-ring, resilient stacking architecture provides the highest reliability, while allowing you to mix and match to stack up to six units or 192 10/100 ports - and easily manage them all at a single IP address!

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. Why buy stackable network switches designed and priced for the enterprise? NETGEAR ProSafe Stackable Smart Switches are designed for small and growing businesses – they are easy to buy and use, with all of the features you need!

- Versatile** Expand your network as you grow your business, adding switches to the stack as you need them. Use PoE ports to simplify the installation and management of wireless access points, VoIP phones, and security cameras.
- Powerful** Gigabit ports provide high-speed connectivity when you add more servers, or link in power users. Use copper connections, or two SFP GBIC fiber slots provide optional fiber connectivity for greater distance. The non-blocking design of the switches deliver simultaneous, full wire-speed, low-latency throughput to all ports. Advanced feature set delivers the security, reliability, prioritization, and monitoring capabilities small businesses need.
- Reliable** All ProSafe Stackable Smart Switches are made to last, with 5-year warranty and available Premium Support Packs. Redundant stacking features delivers maximum availability.
- Easy** Manage all ProSafe Stackable Smart Switches as though they are one unit from an easy-to-use Web console. Optimized for ProSafe Network Management Software (NMS100) and works with other SNMP-based management software. Shipped ready to go straight out of the box, NETGEAR delivers switching that is easy to set up, stack-up, and use.

**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
- IEEE 802.3af power over Ethernet (FS752 TPS)

• Interfaces

- FS728TS: 24 10/100 Mbps auto sensing switching ports
- FS752TS/FS752TPS: 48 10/100 Mbps auto sensing switching ports
- FS752TPS: 24 10/100 Mbps ports with PoE
- 4 Built-in RJ-45 Gigabit Ethernet ports for 10/100/1000 Mbps connectivity
- 2 SFP slots for fiber Gigabit Ethernet modules
- Auto-sensing and auto-negotiating capabilities for all ports
- Auto Uplink™ on all ports to make the right connection

• Administrative Switch Management

- IEEE 8021.Q VLAN (128 groups, Static)
- 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

• Performance Specifications

- **Forwarding modes:** Store-and-forward
- **Bandwidth:** 12.8 Gbps for FS728TS, 17.6 Gbps for FS752TS/FS752TPS
- **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; 80,000 (~9 years) for FS752TPS

• LEDs

- **Unit:** Power, Master, Stack ID
- **Per Port:** Link, Speed, Activity
- **Per Gigabit Port:** Link, Speed, Activity, Stack
- FS752TPS: PoE Max, PoE active, PoE fault

• Power Supply

- **Power Consumption:** 15 W maximum
- 100-240VAC/50-60 Hz universal input
- FS752 TPS: 180 W PoE power budget

• Physical Specifications

- **Dimensions (H x W x D):** 1.70 x 17.32 x 10.12 in. (43.2 x 440 x 257 mm)
- **Weight:** FS728TS: 5.73 / 2.6 (lbs/kg)
FS752TS: 6.57 / 2.98 (lbs/kg)
FS752TPS: 8.91 / 4.05 (lbs/kg)

• Environmental Specifications

- **Operating temperature:** 32 to 104° F (0 to 40° 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/FS752TPS 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

• Accessories:

- FA311 32-bit 10/100 PCI Adapter
- FA511 PC Card 10/100 Adapter
- GA311 32-bit Gigabit PCI Adapter
- GA511 Gigabit PC Card Adapter
- NMS100 Network Management Software

• VPN Firewalls:

- FVS124G Gigabit VPN Firewall 25
- FVS338 VPN Firewall 50

• Wireless:

- WAG102 Dual Band Access Point
- WG102 802.11g Access Point

• Switches:

- 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

ProSupport Maintenance Services

- PMB0331 OnCall 24x7
- PRR0331 XPressHW Support Service

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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.