

# Netgear Prosafe FS752TP 48-Port 10/100/1000 Smart POE Switch

Product Name: Netgear Prosafe FS752TP 48-Port 10/100/1000 Smart POE Switch

Manufacturer: Netgear

Model Number: FS752TP

Netgear Prosafe FS752TP 48-Port 10/100/1000 Smart POE Switch

Advanced Performance for Power-over-Ethernet Networks As small and mid-sized enterprises add Voice-over-IP (VoIP) telephones, wireless access points (APs) and IP-based surveillance cameras to their networks, Power-over-Ethernet (PoE) switches are becoming the mission-critical centerpiece for advanced deployments.

The NETGEAR ProSAFE 52-port 10/100 Fast Ethernet PoE Smart Switch with 4 Gigabit Uplink Ports (FS752TP) is a reliable, affordable and simple solution for supporting 48 IEEE 802.3af PoE devices. Four of the 48 ports support PoE Plus devices for high-power needs such as video phones and 802.11n APs. The ProSAFE FS752TP is a smart switch, with intuitive web-based management for quick and easy set up and configuration.

Designed to grow with a business, the switch has a powerful feature set including Access Control Lists (ACL), static routing, 802.1x port authentication, enhanced QoS, rate limiting and IGMP snooping. Four dedicated gigabit ports support high-speed uplinks or fiber connectivity. The switch is also energy efficient, with many power-saving features, and is protected by the NETGEAR ProSAFE limited lifetime warranty.

NETGEAR ProSAFE FS752TP Key Features

- 48 PoE-capable ports with PoE Plus supports on the first 4 ports
- Packaged with enterprise-class features such as static routing, Access control and multicast management
- Cost-effective solution for large VoIP and video surveillance deployments

NETGEAR ProSAFE FS752TP 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)
- IEEE 802.3at (Power over Ethernet Plus) for the first 4 ports

Power Supply

- Power consumption: 539W maximum
- 100-240VAC/50-60-Hz universal input
- PoE budget: 384W

Network Ports

- 48 10/100 Mbps auto sensing Fast Ethernet
- 4 10/100/1000 Mbps auto-sensing gigabit Ethernet switching ports (RJ-45)
- 2 Dual Personality SFP slots

Physical Specifications

- Dimensions: (w x d x h) — 440 x 316 x 43mm (17.3 x 12.4 x 1.7 in)

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- Weight: 4.87 kg (10.74 lb)

## Electromagnetic Emissions

- CE EN 55022, EN 61000 and EN 55024
- FCC Part 15 Class A
- VCCI Class A
- C-Tick
- KC
- CCC

## Environmental Specifications

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

## LEDs

- Per port (10/100 and Gigabit): &ndash; Link/ activity, speed
- Per device: Power, Fan, PoE Max, LED Mode
- Per PoE port: PoE Power, PoE fault

## System Requirements

- Category 5 UTP Network cables or above
- Network card for each PC
- Network software (e.g., Windows&reg;)
- Web browser (e.g., Internet Explorer &ndash; 6.0 or higher, Netscape 6.0 or higher)

## Administrative Switch Management

- &ndash; IEEE 802.1Q static VLAN &ndash; (128 groups, static)
- IEEE 802.1p Class of Service (CoS)
- Port-based QoS
- DSCP-based QoS
- DiffServ
- IEEE802.3ad link aggregation &ndash; (manual or LACP)
- IEEE 802.1D Spanning Tree &ndash; Protocol (STP)
- IEEE 802.1w Rapid Spanning &ndash; Tree Protocol (RSTP)
- IEEE 802.1s Multiple Spanning &ndash; Tree Protocol (MSTP)
- IEEE 802.1ab Link Layer Discovery &ndash; Protocol (LLDP)
- LLDP-MED
- SNMP v1, v2c, v3
- RFC 1213 MIB II
- RFC 1643 Ethernet interface MIB
- RFC 1493 bridge MIB
- RMON group 1, 2, 3, 9
- RFC 2131 DHCP client
- Voice VLAN

# Netgear Prosafe FS752TP 48-Port 10/100/1000 Smart POE Switch

- Auto-VOIP
- DHCP Filtering
- Auto denial-of-service (DoS) protection
- HTTP and HTTPS
- Ping and traceroute
- Power saving when link down
- IEEE 802.1x
- Port-based security by locked &ndash; MAC addresses
- IP and MAC ACL
- Storm control for broadcast, multicast and unknown unicast packets
- IGMP snooping v1/v2/v3
- Protected Port
- PoE Timer
- Port-based ingress and egress rate &ndash; limiting
- SNMP
- Port mirroring support (many to one)
- Static Routing (support for up to 10 static routes)
- Web-based configuration
- Configuration backup/restore
- Password access control
- RADIUS Support
- TACACS+ support
- Syslog
- Firmware upgradeable
- Cable test

## Performance Specifications

- Forwarding modes: Store-and-forward
- Bandwidth: 17.6 Gbps
- Network latency:  $<20\mu\text{s}$  for 64-byte &ndash; frames in store-and-forward
- mode for 100 Mbps to 100 Mbps transmission
- Buffer memory: 1.5 MBytes per system
- Address database size: 4,000 media access control (MAC) addresses per system
- Addressing: 48-bit MAC address
- Mean time between failures (MTBF): 230,731 hours at 25C (~26.4 years)
- Acoustic noise: 34.5 dBA

## Modules

- AGM731F 1000BASE-SX SFP Module
- AGM732F 1000BASE-LX SFP Module
- AGM733 1000BASE-ZX SFP Module
- AFM735 100BASE-FX SFP LC Module

## Warranty and Support

- ProSafe Lifetime Warranty&dagger;
- ProSupport 24x7 Advanced Technical Support, 1 year (included)\*
- ProSupport&trade; Service Packs Available

## Package Contents

# Netgear Prosafe FS752TP 48-Port 10/100/1000 Smart POE Switch

- 52-port PoE Smart Switch with 4 Gigabit Ports (FS752TP)
- Rubber footpads
- Power cord
- Rack-mount kit
- Resource CD
- Installation guide

**Please Enquire**

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