FS750T2
ProSafe 48-port 10/100
Smart Switch with 2 Gigabit Ports

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

High Port Density, Gigabit Capability, and Easy Browser-based Management

NETGEAR has packed a lot of value into this high density switch. Start with high port density in a one unit box, add two gigabit uplinks to give an added edge to any growing business, then add key switch management capabilities and you have a powerful switch that costs a lot less than you'd expect.

Forty-eight 10/100 Mbps ports and two copper Gigabit Ethernet ports connect to servers or a Gigabit-speed backbone for a non-stop, always available 10/100/1000-enabled network that can quickly deliver large multimedia, image, and video files. All 50 shielded RJ-45 ports automatically negotiate to the highest speed and support Auto Uplink™ technology to make the right link. Two hot-swappable Small Form-factor Pluggable (SFP)** GBIC slots provide optional fiber connectivity for greater distance.   Shipped ready to go straight out of the box, it delivers switching that's easy to set up and use.

In addition, an intuitive, Web-browser interface offers the simple Smart Switch management, making it a snap to monitor switch performance, configure ports, even set up port trunks, VLANs, and traffic prioritization. Alternatively, use SNMP-based software to manage your Smart Switch.*** Shipped ready for use straight out of the box, it delivers switching that's easy to set up and use. NETGEAR ProSafe Smart Switches are ideal for adding basic management to your unmanaged networks and extending your managed networks.

Powerful ○ Forty-eight 10/100 ports and two Gigabit ports deliver non-blocking, full-speed packet forwarding from the edge of your network to the core. Two SFP GBIC fiber slots provide optional fiber connectivity for greater distance.
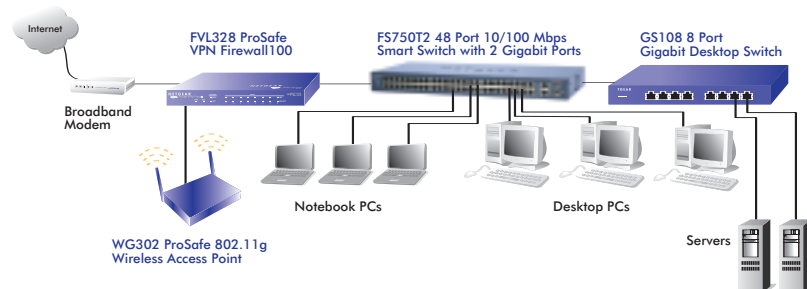
Intelligent ○ Smart Switch capability enables the most key management features for the price of an unmanaged switch. Included are performance monitoring, port configuration, VLAN for traffic control, port trunking for increased bandwidth, and Class of Service (CoS) for traffic prioritization.

Right Sized ○ Ideal for growing businesses who want the benefits of management without the cost and complexity of a managed network.

Well Designed ○ LEDs located on the front panel make switch status easy to observe and troubleshooting easy to accomplish. Made to last, this durable switch is housed in a 17-inch metal box and comes with a rack mounting kit.

**Use with NETGEAR AGM731F 1000BASE-SX SFP GBIC module or NETGEAR AGM732F 1000BASE-LX SFP GBIC module.
***Firmware upgrade available Q2 2005

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NETGEAR Related Products

- GA311 32-bit Gigabit PCI Adapter
- GA511 Gigabit PC Card Adapter
- GS105 5-port Gigabit Switch
- GS108 8-port Gigabit Switch
- GS116 16-port Gigabit Switch
- GS516T 16-port Gigabit Switch
- GS524T 24-port Gigabit Switch
- FS726T 24-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 Network Management System
- P3L21 Layer 2 Support Pack – 1 year
- P3L23 Layer 2 Support Pack – 3 years

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Technical Specifications

- Network Protocol and Standards Compatibility:
  - IEEE 802.3 10BASE-T
  - IEEE 802.3u 100BASE-TX
  - IEEE 802.3ab 1000BASE-T
  - IEEE 802.3x full-duplex flow control

- Interfaces
  - 48 10/100 Mbps auto sensing Fast Ethernet switching ports
  - 2 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 Static VLAN (Up to 64)
  - Port-based VLAN (Up to 50)
  - IEEE 802.1p Class of Service (CoS)
  - Port-based QoS
  - IEEE802.3ad (manual) Link Aggregation
  - IEEE 802.1D Spanning Tree Protocol***
  - RFC 1157 SNMP v1***
  - RFC 1213 MIB II***
  - RFC 1643 Ethernet Interface MIB***
  - RFC 1493 Bridge MIB***
  - RFC 2131 DHCP client
  - 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:** 13.6 Gbps
  - **Network latency:** Less than 20 microseconds for 64-byte frames in store-and-forward mode for100 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):** 59,880 hours (~ 6.8 years)

- LEDs
  - **Unit:** Power
  - **Per port:** Link, Activity, Speed

- Power Supply
  - **Power Consumption:** 21 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:** 7.0 lbs (3.2 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
  - **Switch:** NETGEAR 5-year warranty

System Requirements

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

Package Contents

- FS750T2 ProSafe 48-port Smart Switch with 2 Gigabit Ports
- Rubber footpads
- Power cord
- Rack-mount kit
- Smart Switch resource CD
- Smart Switch installation guide
- Warranty/Support information card

Modules

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