FSM7328S, FSM7352S
ProSafe 24 and 48 Port 10/100
L3 Managed Stackable Switch
with 4 Gigabit Ports

Flexible, Stackable, Fast Ethernet Switching!
NETGEAR’s low-cost, stackable, Fast Ethernet switches deliver maximum throughput and flexibility where you need it — to high-density workgroups at the edge of the network, or in the backbone of small networks. The ProSafe FSM7328S and FSM7352S are managed 24-port and 48-port switches with auto-sensing 10/100 ports and four 10/100/1000 ports. This enables fiber connectivity through four hot-swappable Small Form-factor Pluggable (SFP) gigabit interfaces. The non-blocking design of the switches delivers simultaneous, full wire-speed, low-latency throughput to all ports. In addition, their 1U rack-mount form factor uses less rack space and provides a lower per-port cost than comparable Fast Ethernet switches.

Dynamic Layer 3 switching ensures reliable routing between VLANs and network segmentation where and when you need it, at no additional cost. Plus, convenient front-panel stacking via standard Gigabit Ethernet interfaces provides expandability to meet your growing network’s needs.

Robust security features include IEEE 802.1x port-based authentication and access control lists, ensuring that only authorized users can access your network. Secure management of the switches is available through Secure Sockets Layer (SSLv3) for the Web GUI and Secure Shell (SSH) for command-line sessions. Additionally, multiple switches can be securely managed via SNMPv3 with NETGEAR’s ProSafe Network Management Software NMS100. For workgroup deployments in cost-sensitive organizations that require Layer 3 switching, the flexibility of stacking and additional Gigabit capability, NETGEAR’s ProSafe 10/100 Layer 3 Stackable switches deliver the ideal access-edge solution.

In desktop switching environments, wire-speed performance with full QoS control for all 10/100 interfaces is critical. The 4 Gigabit Ethernet combo interfaces provide unprecedented flexibility, whether you are stacking between switches, attaching bandwidth-thirsty file servers, or aggregating critical data to the core of your network.

Simplify and reduce IT staff workload and mean time-to-repair with intuitive, GUI-based device configuration, and an industry-standard command-line interface (CLI). New front-panel stacking capabilities allow you to build a single-IP manageable device with up to eight switches utilizing standard copper or fiber Gigabit Ethernet interfaces and cables. Dynamic RIPv1/v2 standards-based routing protocols ensure ease of setup, and eliminate the need to maintain static routing tables, reducing ongoing maintenance costs.

With their high-value price point, flexible design, and reduced maintenance requirements, NETGEAR’s ProSafe 10/100 Layer 3 Stackable switch solutions yield a high return on investment, and are ideal for delivering highly reliable, converged voice, video, and data services over a single network infrastructure.
## Technical Specifications

- **Network Protocol and Standards Compatibility**
  - IEEE 802.3 10BASE-T
  - IEEE 802.3u 100BASE-TX
  - IEEE 802.3z 1000BASE-SX
  - IEEE 802.3ab 1000BASE-T
  - IEEE 802.3x flow control
- **Layer 2 Services:**
  - IEEE 802.1Q Static VLAN (Up to 4K)
  - IEEE 802.1p Class of Service (CoS)
  - IEEE 802.1D Spanning Tree Protocol
  - IEEE 802.1w Rapid Spanning Tree
  - IEEE 802.1s Multiple Spanning Tree
  - IEEE 802.3ad Link Aggregation (LACP)
  - IEEE 802.1x Port Access Authentication
  - IGMP v1, v2 Snooping Support
  - Layer 3 Services: VLAN routing
  - Port-based routing
  - RFC 1057, 2453 RIP v1, v2
  - RFC 2998 DiffServ
  - RFC 3046 DHCP Relay
  - RFC 854-859 Telnet
- **Switch Management**
  - RFC 854-859 Telnet
  - SNMP v1, v2c, v3
  - RFC 2030 Simple Network Time Protocol (SNTP)
  - IPv4 and IPv6 support
  - Port Mirroring Support
  - RFC 1757 RMON groups 1, 2, 3, and 9
  - Port Mirroring Support
  - RFC 1215 SNMP Traps
  - RFC 1157, 1902, 1903, 1904, 1905, 1906, 1907
  - RFC 951 BootP
  - RFC 1057, 2453 RIP v1, v2
  - RFC 1213 MIB II
  - RFC 1757 RMON groups 1, 2, 3, and 9
  - Port Mirroring Support
  - RFC 951 BootP
  - RFC 1157, 2003, 1903, 1904, 1905, 1906, 1907
  - RFC 1215 SNMP Traps
  - RFC 1493 Bridge MIB
  - RFC 1643 Ethernet Interface MIB
  - RFC 1534 DHCP and BootP Interoperation
  - RFC 2131, 2132 DHCP and BootP
  - RFC 2865 RADIOS Private Enterprise MIB
  - RFC 2030 Simple Network Time Protocol (SNTP)
  - SYSLOG

### Electrical Specifications
- **Power Consumption:**
  - 100-240VAC/50-60 Hz universal input
- **Physical Specifications**
  - Dimensions (W x D x H): 440 x 257 x 43 mm
  - Weight: 3.2 kg (7.0 lbs)
  - Acoustic noise: (AN Si-510.12) 0 dB (fanless)
  - Mean Time Between Failure (MTBF): 125,500 hours (~14.3 years)
- **Environmental Specifications**
  - Operating temperature: 0 to 40° C (32 to 104 F)
  - Storage temperature: -20 to 70° C (-4 to 158 F)
  - 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 Emissions**
  - FCC Part 15 Class A
  - UL 1950/CUL IEC950/EN60950 certified (CSA 22.2 #950)
  - CE mark, commercial
  - C-Tick
  - VCCI Class A
- **Electromagnetic Immunity**
  - EN 55022 (CISPR 22), Class A
  - EN 55024 (CISPR 22), Class A
  - EN 50082-1, EN 55024