



FSM7326P L3 Managed 10/100 Switch with PoE

24+2 Layer 3 Switch with Power-over-Ethernet

Layer 3 Managed Switching with In-Line Power

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

- Maximize your 10/100 network. The NETGEAR® FSM7326P Switch features Power-over-Ethernet (PoE), which optimizes the installation and power management of network devices such as wireless access points (AP), Voice over IP (VoIP) phones, and security video cameras. Power-over-Ethernet (IEEE 802.3af) capabilities reduce installation costs for many new network productivity devices. It frees your wireless AP deployment from restrictions due to power outlet locations. Power and data switching are integrated into one unit and delivered over a single cable, eliminating costs for additional AC wiring and reducing installation time.

The FSM7326P Layer 3 provides both Layer 2 and Layer 3 managed switching functionality, including routing, switching, and quality of service (QoS) feature sets. It can be used to provide new IP-based services:

- Multiple VLANs, QoS, bandwidth limiting, and access control features enable smooth, clear VoIP telephony and video conferencing
- Subnetting and strong, standards-based security protocols isolate wireless APs and video surveillance equipment, protecting critical data from potential abuse
- IP subnetting and gigabit ports provide dedicated high-speed links to servers and network backbones

Affordable and reliable, the FSM7326P's robust feature set is ideal for small and growing businesses that want to get the most out of their networks.

- Accessible** ● The FSM7326P Managed Switch is easy to set up and use, with an intuitive browser interface for simple configuration and management of both data and power. Secure, remote management capabilities enable outsourced network operations and reduce the need for onsite administration and service calls.

- Scalable** ● Out-of-the-box, it's configured as an easy-to-use, unmanaged Fast Ethernet switch with PoE. The advanced routing and switching capabilities are there when you need them — maximizing network bandwidth and utility.

- Advanced** ● Layer 2, 3, and 4 capabilities offer superior network performance, security, and control. Multiple VLAN support, wire speed routing to offload expensive routers, resiliency, and redundancy enable you to optimize your network so that all users and applications get the throughput they need, without affecting critical applications.

- Versatile** ● Enhances data networking and enables new network applications such as voice and video. A comprehensive set of Layer 3 features enhances functionality in any network. An essential component for feature-rich networks, the FSM7326P helps maximize your network capabilities — and your return on investment.



NETGEAR Related Products

- AGM731F 1000Base-SX SFP GBIC module (LC connector)
- AGM732F 1000Base-LX SFP GBIC module (LC connector)
- NETGEAR WG302
- NETGEAR Redundant Power supply

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* Free basic installation support provided for 90 days from date of purchase; optional premium support available.

†Optional NETGEAR AGM731F SFP GBIC SX module for 1000BASE-SX connections or AGM732F SFP GBIC LX module for 1000BASE-LX connections.

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FSM7326P

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
 - IEEE 802.3af DTE Power via MDI

• Management Specifications:

- IEEE 802.1x Port Based Network Access Control
- IEEE 802.1Q Static VLAN (Up to 228)
- IEEE 802.1p Class of Service (CoS)
- IEEE 802.3ad Link Aggregation Control Protocol (LACP)
- IEEE 802.1v Protocol VLAN & Port VLAN
- IEEE 802.1D Spanning Tree Protocol
- IEEE 802.1w Rapid Spanning Tree
- IEEE 802.3s Multiple Spanning Tree
- RFC 768 UDP
- RFC 854-859 Telnet
- IGMP Snooping Support
- Port Mirroring Support
- RFC 951, 1532 BootP
- RFC 1157 SNMP
- RFC 1757 RMON groups 1, 2, 3, and 9
- RFC 1213 MIB II
- RFC 1583 OSPF v2
- RFC 1643 Ethernet Interface MIB
- RFC 1724 RIP v2 MIB
- RFC 1850 OSPF v2 MIB
- RFC 1902, 1903, 1904, 1905, 1906, 1907 SNMP v2
- RFC 1757, 2021 Remote MIB v2
- RFC 2096 IP Forwarding Table MIB
- RFC 2131, 2132 DHCP and BootP
- RFC 2233 Interfaces Group MIB – SMIPv2
- RFC 2236 IGMP v2
- RFC 2328 OSPF v2
- RFC 2338, 2787 Virtual Router Redundancy Protocol (VRRP)
- RFC 1057, 2453 RIP v1, v2
- RFC 2474 Differentiated Fields – IPv4 in IPv6 Headers
- RFC 2597 Assured Forwarding PHB
- RFC 2737 Entity MIB v2
- RFC 2865 RADIUS
- RFC 2475, 2998 DiffServ
- RFC 3046 DHCP Relay
- Private Enterprise MIB
- Broadcast Storm Protection
- Layer 3/4 aware Access Control List (48 bit)

• System Parameters:

- Number of MAC addresses 8K
- Number of VLANs 228
- Maximum VLAN ID 4069
- Number of 802.1p traffic classes 4
- Number of trunks 6
- Number of routes 16
- Number of routed VLANs 6
- Number of ARP entries 2047
- Number of ACL rules (and entries) 100 rules with 10 entries/rule
- Number of queues used for DiffServ 2
- Maximum rules per class 8
- Maximum instances per policy 10
- Maximum attributes per instance 8
- Maximum service interfaces 16

• User Interfaces:

- Command Line Interface
- Web-based management

• Physical Interfaces:

- 24 RJ-45 In-Line Power connectors for 10BASE-T and 100BASE-TX (end-span)
- Two RJ-45 combo connectors for 10BASE-T, 100BASE-TX, and 1000BASE-T. Optional SFP GBIC slots for fiber connections
- RPS Connector for optional alternative power

• LEDs:

- Per port: Speed, Link, Activity
- Per device: Power, Maximum PoE Power supplied, RPS Status

• Performance Specifications:

- Forwarding modes: Store-and-forward
- Bandwidth: 8.8 Gbps (non-blocking)
- Switch latency: Less than 20 microseconds for 64-byte frames
- System memory: 128 MB
- Packet buffer memory: 32 MB
- Code Storage (Flash): 16 MB
- Acoustic noise: (ANSI-S10.12) 45dB
- Heat Dissipation: 18.99 Btu/hr
- Mean Time Between Failure (MTBF): 58300 hours (~6.5 years)

• Electrical Specifications:

- Power Consumption: 36 W maximum
- 100-127/200-240 VAC; 50-60 Hz universal inputs
- 802.3af power budget: 170 watts. Full power for up to 12 ports, or up to 7 watts for 24 ports

• Physical Specifications:

- W: 440 mm (17.32 inches)
- D: 385 mm (15.16 inches)
- H: 43 mm (1.7 inch)

• Environmental Specifications:

- Operating temperature: 0 to 40°C
- Storage temperature: -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 Emissions:

- CE mark, commercial
- FCC Part 15 Class A
- VCCI Class A
- EN 55022 (CISPR 22), Class A, Class A EN 50082-1
- C-Tick

• Electromagnetic Immunity:

- EN 50082-1
- EN 55024

• Safety:

- CE mark, commercial
- CSA certified (CSA 22.2 #950)
- TUV licensed (EN 60 950)
- UL listed (UL 1950)/CUL IEC950/EN60950

• Warranty:

- NETGEAR Limited Lifetime warranty

Package Contents

- FSM7326P Layer 3 Managed Switch with In-Line Power
- Null modem cable
- Rack-mount kit
- Resource CD with User's Manual

Managed Gigabit Switch