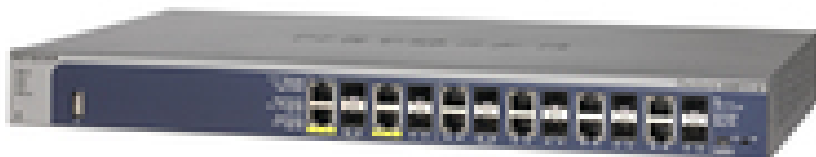


Netgear ProSafe GSM7212F (GSM7212F-100NES)

Managed, PoE, Gigabit Ethernet, 12x RJ-45, 12x SFP, L2+, USB, RS-232, 128MB RAM, 32MB Flash, QoS, DHCP, VLAN, 160.6W, 3.665kg, grey



NETGEAR

The NETGEAR ProSafe Gigabit L2+ Managed Switch GSM7212F for "Intelligent Edge" distribution consists of 12 ports combo, dual-speed SFP with fiber connectivity, including 4 ports with PoE+ connectivity. Intelligent Edge series deliver a secure and flexible access in campus, commercial and enterprise converged environments: Wireless access points, IP telephony and video-surveillance.

Intelligent Edge

Combining superior resiliency and advanced security, GSM7212F provides comprehensive Layer 2, Lite Layer 3 and Layer 4 switching, including 16K MAC table size, 64 routing interfaces and 16 static routes.

Unified Communications - Voice over IP

The NETGEAR ProSafe "Intelligent Edge" simplifies converged data deployments with state-of-the-art capabilities. CoS Layer 2 prioritization and DiffServ Layer 3 & 4 policies allow for 1Kbps ingress and egress TCP/UDP granularity. LLDP-MED (Media Endpoint Discovery) automatically configures IP phones QoS and VLAN settings.

Unified Communications - Video Streams

IGMP filtering and querier ensure multicast streams are only delivered to interested receivers, preventing flooding even without a dedicated multicast router. When receivers are in different VLANs, Multicast VLAN registration (MVR) uses a dedicated multicast VLAN to forward multicast streams and avoid duplication for clients in different VLANs.

Outstanding Value

With its high-value price point, industry-standard command line interface (CLI) and single-pane-of-glass NMS200 management platform (mass-configuration support), NETGEAR ProSafe "Intelligent Edge" yields a high return on investment. GSM7212F is backed by the NETGEAR ProSafe Lifetime Hardware Warranty+, ProSupport Lifetime 24x7 Advanced Technical Support, and 3-Year Next Business Day Onsite Hardware Replacement.

Main specifications:

Management features

Switch type:	Managed network switch
Switch layer:	L2+
MIB support:	MIB-II, Bridge MIB, Etherlike-MIB, SMIv2, VLAN MIB, Client MIB, Entity MIB v2, RMON-MIB, PAE-MIB, LLDP MIB
Quality of Service (QoS) support:	Y
Multicast support:	Y
Web-based management:	Y
System event log:	Y

Ports & interfaces

Basic switching RJ-45 Ethernet ports quantity:	12
SFP/SFP+ slots quantity:	12
SFP module slots quantity:	12

Console port:	RS-232
Copper ethernet cabling technology:	1000BASE-T,1000BASE-TX,100BASE-T,100BASE-TX,10BASE-T
Fiber ports quantity:	12
USB 2.0 ports quantity:	1
DC-in jack:	Y
Networking	
Networking standards:	IEEE 802.1ab,IEEE 802.1D,IEEE 802.1p,IEEE 802.1Q,IEEE 802.1s,IEEE 802.1v,IEEE 802.1w,IEEE 802.1x,IEEE 802.3,IEEE 802.3ab,IEEE 802.3ad,IEEE 802.3af,IEEE 802.3at,IEEE 802.3i,IEEE 802.3u,IEEE 802.3x,IEEE 802.3z
10G support:	Y
Flow control support:	Y
Port mirroring:	Y
Link aggregation:	Y
Broadcast storm control:	Y
Rate limiting:	Y
DHCP client:	Y
DHCP server:	Y
IP routing:	Y
IGMP snooping:	Y
Spanning tree protocol:	Y
Data transmission	
MAC address table:	16000 entries
Switching capacity:	24 Gbit/s
Supported data transfer rates:	10/100/1000 Mbps
Throughput:	17.8 Mpps
Store-and-forward:	Y
Number of VLANs:	64
Number of trunks:	12
Number of queues:	8
Number of static routes:	16
Maximum data transfer rate:	10 Gbit/s
Jumbo frames support:	Y
Optical fiber	
Fiber ethernet cabling technology:	1000BASE-LX,1000BASE-SX,100BASE-FX
Fiber optic connector:	SFP
Security	
Security algorithms:	802.1x RADIUS,EAP,HTTPS,SSL/TLS,WPA-AES
MAC address filtering:	Y
Static port security:	Y
Access Control List (ACL):	Y
SSH/SSL support:	Y
Protocols	
Management protocols:	SNMP v1/2/3, SMI v1/2, HTTP 1.1
Data link protocols:	LLDP
Supported network protocols:	IP, IPv4, IPv6, TCP/UDP, TFTP, DoS, ICMP, ARP, BOOTP, SNTP, SFTP, BSD, Telnet
Design	
Rack mounting:	Y
Colour of product:	Grey
Safety:	CE, CSA, UL/cUL, EN
Certification:	CE, FCC, VCCI, EN (CISPR 22), C-Tick
Performance	
Stackable:	Y
Built-in processor:	BCM53003
Processor frequency:	600 MHz
Internal memory:	128 MB
Memory type:	RAM
Flash memory:	32 MB
Noise level:	48 dB
Packet buffer memory:	12 MB
Mean time between failures (MTBF):	670956 h
Power	

Power consumption (typical):	150 W
Power over Ethernet (PoE)	
Power over Ethernet (PoE):	Y
Operational conditions	
Operating temperature (T-T):	0 - 50 °C
Storage temperature (T-T):	-20 - 70 °C
Operating relative humidity (H-H):	0 - 90 %
Storage relative humidity (H-H):	0 - 95 %
Operating altitude:	0 - 3000 m
Non-operating altitude:	0 - 3000 m
Weight & dimensions	
Weight:	3665 g
Other features	
Latency:	3.1 - 9
Dimensions (WxDxH):	440 x 257 x 44 mm
Connectivity technology:	Wired
Networking features:	Gigabit Ethernet