

NETGEAR GSM4212PX Managed L2/L3 Gigabit Ethernet (10/100/1000) Power over Ethernet (PoE) 1U Black

Brand : NETGEAR

Product code: GSM4212PX-100NAS

Product name : GSM4212PX



- Dedicated AV web-based GUI interface for more specific AV installations
 - Color-based AV profiles can be applied to the different ports
 - Dante, Q-SYS, AES67 and AVB audio profiles
 - AVB requires an AVB4212P-10000S license (sold separately)
 - NVX, SVSI, Q-SYS, NDI and Dante video profiles
 - Audio / video / control mixed profiles
 - Automatic switch interconnect with NETGEAR IGMP Plus
 - Common Layer 2 and Layer 3 switching engine across all M4250 models
 - Built-in IT web GUI, console, telnet and SSH consistent with other NETGEAR M4xxx series
 - Feature set includes static, RIP and PIM routing, DHCP Server and PTPv2
- AV Line M4250-10G2XF-PoE+ (GSM4212PX) 8x1G PoE+ 240W 2x1G and 2xSFP+ Managed Switch

Management features		Multicast features	
Switch type *	Managed	Multicast support	✓
Switch layer	L2/L3	Design	
Quality of Service (QoS) support	✓	Rack mounting *	✓
Ports & interfaces		Form factor	1U
Basic switching RJ-45 Ethernet ports quantity *	10	Product colour	Black
Basic switching RJ-45 Ethernet ports type *	Gigabit Ethernet (10/100/1000)	LED indicators	PoE, Power, Status
SFP+ module slots quantity	2	Performance	
Network		Built-in processor	✓
Networking standards *	IEEE 802.1D, IEEE 802.1Q, IEEE 802.1ab, IEEE 802.1s, IEEE 802.1w, IEEE 802.1x, IEEE 802.3ad, IEEE 802.3af, IEEE 802.3at, IEEE 802.3bt, IEEE 802.3x	Processor model	ARM Cortex-A9
		Processor frequency	1250 MHz
10G support *	✗	Internal memory	2048 MB
Full duplex	✓	Noise level	39.22 dB
Link aggregation	✓	Mean time between failures (MTBF)	947871 h
Broadcast storm control	✓	Power	
Rate limiting	✓	Power source *	PoE
Spanning tree protocol	✓	Power consumption (typical)	306.4 W
VLAN support	✓	Power over Ethernet (PoE)	
Virtual LAN features	MAC address-based VLAN, Private VLAN, Protocol-based VLAN, Tagged VLAN, Voice VLAN	Power over Ethernet (PoE) *	✓
Number of VLANs	4096	Power over Ethernet plus (PoE+) ports quantity	8
Data transmission		Power over Ethernet (PoE) power per port	30 W
Switching capacity *	60 Gbit/s	Total Power over Ethernet (PoE) budget	240 W
Throughput	44.64 Mpps	Operational conditions	
MAC address table *	16000 entries	Operating temperature (T-T)	0 - 50 °C
Store-and-forward	✓	Storage temperature (T-T)	-20 - 70 °C
Latency (1 Gbps)	2.14 µs	Operating relative humidity (H-H)	0 - 90%
Number of queues	8	Storage relative humidity (H-H)	0 - 95%
Jumbo frames support	✓	Operating altitude	0 - 3000 m
		Non-operating altitude	0 - 3000 m
		Heat dissipation	1046.05 BTU/h

Data transmission		Weight & dimensions	
Jumbo frames	12000	Width	440 mm
Packet buffer memory	16 MB	Depth	200 mm
Security		Height	43.2 mm
		Weight	2.96 kg
DHCP features	DHCP Option 82, DHCP relay, DHCP server, DHCP snooping, DHCPv6 client, DHCPv6 relay, DHCPv6 server, DHCPv6 snooping		
Access Control List (ACL)	✓		
IGMP snooping	✓		
SSH/SSL support	✓		
Loop protection	✓		
BPDU filtering/protection	✓		
Authentication	MAC-based authentication		
Authentication type	RADIUS		



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