

NETGEAR M4250-10G2XF-PoE++ Managed L2/L3 Gigabit Ethernet (10/100/1000) Power over Ethernet (PoE) 1U Black

Brand : NETGEAR

Product code: GSM4212UX-100EUS

Product name : M4250-10G2XF-PoE++



- 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
- 60 Gbps, 8x 1G PoE+ RJ-45, 2x 1G RJ-45, 2x SFP+, 720 W PoE, 440x200x43.2 mm

Management features		Multicast features	
Switch type *	Managed	Multicast support	✓
Switch layer	L2/L3	IPv4 multicast entries	2000
Quality of Service (QoS) support	✓	IPv6 multicast entries	2000
Ports & interfaces		Design	
Basic switching RJ-45 Ethernet ports quantity *	10	Rack mounting *	✓
Basic switching RJ-45 Ethernet ports type *	Gigabit Ethernet (10/100/1000)	Form factor	1U
SFP+ module slots quantity	2	Product colour	Black
		LED indicators	PoE, Power, Status
Network		Performance	
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	Built-in processor	✓
10G support *	✗	Processor model	ARM Cortex-A9
Full duplex	✓	Processor frequency	1250 MHz
Link aggregation	✓	Internal memory	2048 MB
Broadcast storm control	✓	Noise level	66.23 dB
Rate limiting	✓	Mean time between failures (MTBF)	947871 h
Spanning tree protocol	✓	Power	
VLAN support	✓	Power consumption (typical)	837.7 W
Virtual LAN features	MAC address-based VLAN, Private VLAN, Protocol-based VLAN, Tagged VLAN, Voice VLAN	Power over Ethernet (PoE)	
Number of VLANs	4093	Power over Ethernet (PoE) *	✓
		Power over Ethernet plus (PoE+) ports quantity	8
Data transmission		Total Power over Ethernet (PoE) budget	720 W
Switching capacity *	60 Gbit/s	Operational conditions	
Throughput	44.64 Mpps	Operating temperature (T-T)	0 - 50 °C
MAC address table *	16000 entries	Storage temperature (T-T)	-20 - 70 °C
Store-and-forward	✓	Operating relative humidity (H-H)	0 - 90%
Latency (1 Gbps)	1.837 µs	Storage relative humidity (H-H)	0 - 95%
Number of queues	8	Operating altitude	0 - 3000 m
Jumbo frames support	✓	Non-operating altitude	0 - 3000 m
Jumbo frames	12000	Heat dissipation	2859.91 BTU/h
Packet buffer memory	16 MB	Weight & dimensions	
		Width	440 mm
		Depth	200 mm
		Height	43.2 mm
		Weight	3.83 kg

Security		Logistics data	
DHCP features	DHCP Option 82, DHCP relay, DHCP server, DHCP snooping, DHCPv6 client, DHCPv6 relay, DHCPv6 server, DHCPv6 snooping	Harmonized System (HS) code	85176990
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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