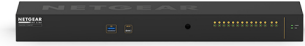


NETGEAR M4250-12M2XF Managed L2/L3 2.5G Ethernet 1U Black

Brand : NETGEAR

Product code: MSM4214X-100EUS

Product name : M4250-12M2XF



- 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
- 100 Gbps, 12x 2.5G RJ-45, 2x SFP+, 440x100x43.2 mm

Management features		Security	
Switch type *	Managed	Authentication type	RADIUS
Switch layer	L2/L3	Multicast features	
Quality of Service (QoS) support	✓	Multicast support	✓
Ports & interfaces		IPv4 multicast entries	2000
Basic switching RJ-45 Ethernet ports quantity *	12	IPv6 multicast entries	2000
Basic switching RJ-45 Ethernet ports type *	2.5G Ethernet	Design	
SFP+ module slots quantity	2	Rack mounting *	✓
Network		Form factor	1U
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	Product colour	Black
		LED indicators	PoE, Power, Status
10G support *	✗	Performance	
Full duplex	✓	Built-in processor	✓
Link aggregation	✓	Processor model	ARM Cortex-A9
Broadcast storm control	✓	Processor frequency	1250 MHz
Rate limiting	✓	Internal memory	2048 MB
Spanning tree protocol	✓	Noise level	46.4 dB
VLAN support	✓	Mean time between failures (MTBF)	720892 h
Virtual LAN features	MAC address-based VLAN, Private VLAN, Protocol-based VLAN, Tagged VLAN, Voice VLAN	Power	
Number of VLANs	4093	Power consumption (typical)	37.9 W
Data transmission		Power over Ethernet (PoE)	
Switching capacity *	100 Gbit/s	Power over Ethernet (PoE) *	✗
Throughput	74.4 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)	1.186 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
Jumbo frames	12000	Non-operating altitude	0 - 3000 m
Packet buffer memory	16 MB	Heat dissipation	129.39 BTU/h
Security		Weight & dimensions	
DHCP features	DHCP Option 82, DHCP relay, DHCP server, DHCP snooping, DHCPv6 client, DHCPv6 relay, DHCPv6 server, DHCPv6 snooping	Width	440 mm
		Depth	100 mm
Logistics data		Height	43.2 mm
		Weight	1.75 kg
		Harmonized System (HS) code	85176990

Security

Access Control List (ACL)	✓
IGMP snooping	✓
SSH/SSL support	✓
Loop protection	✓
BPDU filtering/protection	✓
Authentication	MAC-based authentication



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