

NETGEAR M4250-12M2XF Managed L2/L3 2.5G Ethernet (100/1000/2500) 1U Black

Brand : NETGEAR

Product code: MSM4214X-TAANAS

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
- MSM4214X - Fully Managed M4250 14 Ports + 2.5G



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 (100/1000/2500)	Design	
SFP+ module slots quantity	2	Rack mounting *	✓
Network		Stackable *	✓
Networking standards *	IEEE 802.1x, IEEE 802.1D, IEEE 802.1Q, IEEE 802.1ab, IEEE 802.1s, IEEE 802.1w, IEEE 802.3ad, IEEE 802.3x, IEEE 802.3bt	Form factor	1U
10G support *	✗	Product colour	Black
Full duplex	✓	LED indicators	✓
Link aggregation	✓	Performance	
Broadcast storm control	✓	Built-in processor	✓
Rate limiting	✓	Processor model	ARM Cortex-A9
Spanning tree protocol	✓	Processor frequency	1250 MHz
VLAN support	✓	Internal memory	2048 MB
Virtual LAN features	MAC address-based VLAN, Private VLAN, Protocol-based VLAN, Tagged VLAN, Voice VLAN	Noise level	46.4 dB
Number of VLANs	4093	Mean time between failures (MTBF)	720892 h
Data transmission		Power	
Switching capacity *	100 Gbit/s	Power consumption (typical)	37.9 W
Throughput	74.4 Mpps	Power over Ethernet (PoE)	
MAC address table *	16000 entries	Power over Ethernet (PoE) *	✗
Store-and-forward	✓	Operational conditions	
Latency (1 Gbps)	2.84 µs	Operating temperature (T-T)	0 - 50 °C
Latency (10 Gbps)	0.81 µs	Storage temperature (T-T)	-20 - 70 °C
Number of queues	8	Operating relative humidity (H-H)	0 - 90%
Jumbo frames support	✓	Storage relative humidity (H-H)	0 - 95%
		Operating altitude	0 - 3000 m
		Non-operating altitude	0 - 3000 m
		Heat dissipation	129.39 BTU/h

Data transmission		Weight & dimensions	
Jumbo frames	12000	Width	440 mm
Security		Depth	100 mm
DHCP features	DHCP Option 82, DHCP relay, DHCP server, DHCP snooping, DHCPv6 client, DHCPv6 relay, DHCPv6 server, DHCPv6 snooping	Height	43.2 mm
Access Control List (ACL)	✓	Weight	1.75 kg
IGMP snooping	✓		
SSH/SSL support	✓		
Loop protection	✓		
BPDU filtering/protection	✓		



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