

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%
Jumbo frames	12000	Operating altitude	0 - 3000 m
		Non-operating altitude	0 - 3000 m
		Heat dissipation	129.39 BTU/h
		Weight & dimensions	
		Width	440 mm
		Depth	100 mm
		Height	43.2 mm

Security		Weight & dimensions	
DHCP features	DHCP Option 82, DHCP relay, DHCP server, DHCP snooping, DHCPv6 client, DHCPv6 relay, DHCPv6 server, DHCPv6 snooping	Weight	1.75 kg
Access Control List (ACL)	✓		
IGMP snooping	✓		
SSH/SSL support	✓		
Loop protection	✓		
BPDU filtering/protection	✓		



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