

## NETGEAR M4250-12M2XF Hallittu L2/L3 2.5G Ethernet 1U musta

**Tuotemerkki :** NETGEAR

**Tuotekoodi:** MSM4214X-100EUS

**Tuotteen nimi :** M4250-12M2XF

NETGEAR M4250-12M2XF. Kytkin tyyppi: Hallittu, Kytinkerros: L2/L3. Peruskytkentä RJ-45 Ethernet-porttien tyyppi: 2.5G Ethernet, Basic kytkentä RJ-45 Ethernet-porttien määrä: 12. Täysin kaksipuolinen. MAC-osoitetaulukko: 16000 entries, Kytkentäkapasiteetti: 100 Gbit/s. Verkkostandardit: IEEE 802.1D, IEEE 802.1Q, IEEE 802.1ab, IEEE 802.1s, IEEE 802.1w, IEEE 802.1x, IEEE 802.3ad, IEEE.... Telineasennus, Kotelo: 1U

Management features		Security	
Switch type *	Managed	Authentication type	RADIUS
Switch layer	L2/L3	<b>Multicast features</b>	
Quality of Service (QoS) support	✓	Multicast support	✓
<b>Ports &amp; interfaces</b>		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	<b>Design</b>	
SFP+ module slots quantity	2	Rack mounting *	✓
<b>Network</b>		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
	10G support *	LED indicators	PoE, Power, Status
Full duplex	✓	<b>Performance</b>	
Link aggregation	✓	Built-in processor	✓
Broadcast storm control	✓	Processor model	ARM Cortex-A9
Rate limiting	✓	Processor frequency	1250 MHz
Spanning tree protocol	✓	Internal memory	2048 MB
VLAN support	✓	Noise level	46.4 dB
Virtual LAN features	MAC address-based VLAN, Private VLAN, Protocol-based VLAN, Tagged VLAN, Voice VLAN	Mean time between failures (MTBF)	720892 h
	Number of VLANs	4093	<b>Power</b>
<b>Data transmission</b>		Power consumption (typical)	37.9 W
Switching capacity *	100 Gbit/s	<b>Power over Ethernet (PoE)</b>	
Throughput	74.4 Mpps	Power over Ethernet (PoE) *	✗
MAC address table *	16000 entries	<b>Operational conditions</b>	
Store-and-forward	✓	Operating temperature (T-T)	0 - 50 °C
Latency (1 Gbps)	1.186 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
Packet buffer memory	16 MB	Non-operating altitude	0 - 3000 m
<b>Security</b>		Heat dissipation	129.39 BTU/h
DHCP features	DHCP Option 82, DHCP relay, DHCP server, DHCP snooping, DHCPv6 client, DHCPv6 relay, DHCPv6 server, DHCPv6 snooping	<b>Weight &amp; dimensions</b>	
Access Control List (ACL)	✓	Width	440 mm
IGMP snooping	✓	Depth	100 mm
SSH/SSL support	✓	Height	43.2 mm
<b>Logistics data</b>		Weight	1.75 kg
		Harmonized System (HS) code	85176990

## Security

Loop protection	✓
BPDU filtering/protection	✓
Authentication	MAC-based authentication



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