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, Kytkinkerros: 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

Switch type *	Managed
Switch layer	L2/L3
Quality of Service (QoS) support	✔

Ports & interfaces

Basic switching RJ-45 Ethernet ports quantity *	12
Basic switching RJ-45 Ethernet ports type *	2.5G Ethernet
SFP+ module slots quantity	2

Network

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
10G support *	✘
Full duplex	✔
Link aggregation	✔
Broadcast storm control	✔
Rate limiting	✔
Spanning tree protocol	✔
VLAN support	✔
Virtual LAN features	MAC address-based VLAN, Private VLAN, Protocol-based VLAN, Tagged VLAN, Voice VLAN
Number of VLANs	4093

Data transmission

Switching capacity *	100 Gbit/s
Throughput	74.4 Mpps
MAC address table *	16000 entries
Store-and-forward	✔
Latency (1 Gbps)	1.186 µs
Number of queues	8
Jumbo frames support	✔
Jumbo frames	12000
Packet buffer memory	16 MB

Security

DHCP features	DHCP Option 82, DHCP relay, DHCP server, DHCP snooping, DHCPv6 client, DHCPv6 relay, DHCPv6 server, DHCPv6 snooping
Access Control List (ACL)	✔
IGMP snooping	✔
SSH/SSL support	✔

Security

Authentication type	RADIUS

Multicast features

Multicast support	✔
IPv4 multicast entries	2000
IPv6 multicast entries	2000

Design

Rack mounting *	✔
Form factor	1U
Product colour	Black
LED indicators	PoE, Power, Status

Performance

Built-in processor	✔
Processor model	ARM Cortex-A9
Processor frequency	1250 MHz
Internal memory	2048 MB
Noise level	46.4 dB
Mean time between failures (MTBF)	720892 h

Power

Power consumption (typical)	37.9 W

Power over Ethernet (PoE)

Power over Ethernet (PoE) *	✘

Operational conditions

Operating temperature (T-T)	0 - 50 °C
Storage temperature (T-T)	-20 - 70 °C
Operating relative humidity (H-H)	0 - 90%
Storage relative humidity (H-H)	0 - 95%
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
Weight	1.75 kg

Logistics data

Harmonized System (HS) code	85176990

Security

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

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