NETGEAR

NETGEAR M4250-10G2XF-PoE+ Hallittu L2/L3 Gigabit Ethernet (10/100/1000) Power over Ethernet -tuki 1U musta

Tuotemerkki : NETGEAR **Tuotekoodi:** GSM4212PX-100EUS

Tuotteen nimi : M4250-10G2XF-PoE+

NETGEAR M4250-10G2XF-PoE+. Kytkin tyyppi: Hallittu, Kytkinkerros: L2/L3. Peruskytkentä RJ-45 Ethernet-porttien tyyppi: Gigabit Ethernet (10/100/1000), Basic kytkentä RJ-45 Ethernet-porttien määrä: 10. Täysin kaksipuolinen. MAC-osoitetaulukko: 16000 entries, Kytkentäkapasiteetti: 60 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.... Power over Ethernet -tuki. 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 *	10
Basic switching RJ-45 Ethernet ports type *	Gigabit Ethernet (10/100/1000)
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 *	60 Gbit/s
Throughput	44.64 Mpps
MAC address table *	16000 entries
Store-and-forward	✔
Latency (1 Gbps)	2.14 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	✔

Multicast features

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	39.22 dB
Mean time between failures (MTBF)	947871 h

Power

Power consumption (typical)	306.4 W

Power over Ethernet (PoE)

Power over Ethernet (PoE) *	✔
Power over Ethernet plus (PoE+) ports quantity	8
Power over Ethernet (PoE) power per port	30 W
Total Power over Ethernet (PoE) budget	240 W

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	1046.05 BTU/h

Weight & dimensions

Width	440 mm
Depth	200 mm
Height	43.2 mm
Weight	2.96 kg

Logistics data

Harmonized System (HS) code	85176990

Security	
SSH/SSL support	✔
Loop protection	✔
BPDU filtering/protection	✔
Authentication	MAC-based authentication
Authentication type	RADIUS

Multicast features	
Multicast support	✔

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