

NETGEAR M4250-10G2F Managed L2/L3 Gigabit Ethernet (10/100/1000) Power over Ethernet (PoE) 1U Black

Brand : NETGEAR

Product code: GSM4212P-100EUS

Product name : M4250-10G2F

24 Gbps, 8x 1G PoE+ RJ-45, 2x 1G RJ-45, 2x SFP, 440x200x43.2 mm

NETGEAR M4250-10G2F. Switch type: Managed, Switch layer: L2/L3. Basic switching RJ-45 Ethernet ports type: Gigabit Ethernet (10/100/1000), Basic switching RJ-45 Ethernet ports quantity: 10. Full duplex. MAC address table: 16000 entries, Switching capacity: 24 Gbit/s. Networking standards: 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 (PoE). Rack mounting, Form factor: 1U



Management features		Multicast features	
Switch type *	Managed	IPv4 multicast entries	2000
Switch layer	L2/L3	IPv6 multicast entries	2000
Quality of Service (QoS) support	✓	Design	
Ports & interfaces		Rack mounting *	✓
Basic switching RJ-45 Ethernet ports quantity *	10	Form factor	1U
Basic switching RJ-45 Ethernet ports type *	Gigabit Ethernet (10/100/1000)	Product colour	Black
SFP module slots quantity	2	LED indicators	PoE, Power, Status
Network		Performance	
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	Built-in processor	✓
10G support *	✗	Processor model	ARM Cortex-A9
Full duplex	✓	Processor frequency	1250 MHz
Link aggregation	✓	Internal memory	2048 MB
Broadcast storm control	✓	Noise level	30.06 dB
Rate limiting	✓	Mean time between failures (MTBF)	778769 h
Spanning tree protocol	✓	Power	
VLAN support	✓	Power consumption (typical)	163.9 W
Virtual LAN features	MAC address-based VLAN, Private VLAN, Protocol-based VLAN, Tagged VLAN, Voice VLAN	Power over Ethernet (PoE)	
Number of VLANs	4093	Power over Ethernet (PoE) *	✓
Data transmission		Power over Ethernet plus (PoE+) ports quantity	8
Switching capacity *	24 Gbit/s	Power over Ethernet (PoE) power per port	30 W
Throughput	17.86 Mpps	Total Power over Ethernet (PoE) budget	150 W
MAC address table *	16000 entries	Operational conditions	
Store-and-forward	✓	Operating temperature (T-T)	0 - 50 °C
Latency (1 Gbps)	2.27 µs	Storage temperature (T-T)	-20 - 70 °C
Number of queues	8	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

Data transmission		Operational conditions	
Jumbo frames support	✓	Heat dissipation	559.555 BTU/h
Jumbo frames	12000	Weight & dimensions	
Packet buffer memory	16 MB	Width	440 mm
Security		Depth	200 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	2.85 kg
IGMP snooping	✓	Logistics data	
SSH/SSL support	✓	Harmonized System (HS) code	85176990
Loop protection	✓		
BPDU filtering/protection	✓		
Authentication	MAC-based authentication		
Authentication type	RADIUS		
Multicast features			
Multicast support	✓		



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