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

Tuotemerkki : NETGEAR Tuotekoodi: GSM4212UX-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

Switch layer   L2/L3	Management features		Multicast features	
Quality of Service (QoS) support  Ports & interfaces Basic switching RJ-45 Ethernet ports SFP+ module slots quantity  Basic switching RJ-45 Ethernet ports SFP+ module slots quantity  BEEE 802.1D, IEEE 802.1D, IEEE 802.1D, IEEE B02.1ab, IEEE 802.1D, IEEE 802.1D, IEEE B02.1ab, IEEE 802.1D,	Switch type *	Managed	Multicast support	<b>✓</b>
Ports & Interfaces Basic switching RJ-45 Ethernet ports quantity* 10 Basic switching RJ-45 Ethernet ports quantity* 10 Basic switching RJ-45 Ethernet ports quantity* 10 Basic switching RJ-45 Ethernet ports proper to the product colour product col	Switch layer	L2/L3	IPv4 multicast entries	2000
Basic switching RJ-45 Ethernet ports quantity * quantit	Quality of Service (QoS) support	✓	IPv6 multicast entries	2000
Form factor   1U   Black   Port   Product colour   Black   Port   Power   P	Ports & interfaces		Design	
Basic switching RJ-45 Ethernet ports type * rorm factor of the policy type * rorm factor of the pol	Basic switching RJ-45 Ethernet ports	10	Rack mounting *	✓
Ispe * Glgabit Eriternet (1010/100/1000)   Product Colour Black  SFP+ module slots quantity   2   EED indicators   PoE, Power, Status    Performance    EEE 802.1D, IEEE 802.1V, IEEE 802.1W, IEEE 802.1W, IEEE 802.3M, IEEE 802.3	•			
Network    EEE 802.1D, IEEE 802	type *	Gigabit Ethernet (10/100/1000)		
Networking standards * IEEE 802.1D, IEEE 802.1s, IEEE 802.1w, IEEE 802.1w, IEEE 802.1s, IEEE 802.1w, IEEE 802	SFP+ module slots quantity	2		PoE, Power, Status
Networking standards *	Network			
Full duplex  Link aggregation  Power  Power  Power consumption (typical)  837.7 W  Power over Ethernet (PoE)  Spanning tree protocol  VLAN support  VLAN, Protocol-based VLAN, Private VLAN, Voice VLAN  Number of VLANs  Data transmission  Depart operating temperature (T-T)  Foregating temperature	Networking standards *	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	Processor model Processor frequency Internal memory	ARM Cortex-A9 1250 MHz 2048 MB
Link aggregation  Broadcast storm control  Broadcast storm control  Rate limiting  Power consumption (typical)  Power over Ethernet (PoE)  Power over Ethernet (PoE)  VLAN support  WAC address-based VLAN, Private VLAN, Protocol-based VLAN, Private VLAN, Voice VLAN  Number of VLANs  Data transmission  Difference of VLANs  Accordages and Forward  Accordages table  16000 entries  Storage temperature (T-T)  Operating relative humidity (H-H)  Operating altitude  Operating altitud			Mean time between failures (MTBF)	947871 h
Broadcast storm control  Rate limiting  Power over Ethernet (PoE)  Spanning tree protocol  VLAN support  MAC address-based VLAN, Private VLAN, Protocol-based VLAN, Tagged VLAN, Protocol-based VLAN, Tagged VLAN  Number of VLANs  Data transmission  Deprating temperature (T-T)  Operating temperature (T-T)  Operating relative humidity (H-H)  Operating altitude  Ope	·		Power	
Rate limiting  Spanning tree protocol  VLAN support  VLAN support  MAC address-based VLAN, Private VLAN, Protocol-based VLAN, Tagged VLAN, Voice VLAN  Number of VLANs  Data transmission  Data transmission  Switching capacity*  60 Gbit/s  Storage temperature (T-T)  Storage temperature (T-T)  Coperating relative humidity (H-H)  Coperating altitude  MAC address table*  16000 entries  Storage relative humidity (H-H)  Coperating altitude  Coperating a			Power consumption (typical)	837.7 W
Spanning free protocol  VLAN support  VLAN support  MAC address-based VLAN, Private VLAN, Protocol-based VLAN, Private VLAN, Voice VLAN  Number of VLANs  Data transmission  Data transmission  Data transmission  Dotat transmission  Doperating temperature (T-T)  Storage temperature (T-T)  Doperating relative humidity (H-H)  Doperating altitude  Dopera	Rate limiting	✓	Power over Ethernet (PoE)	
MAC address-based VLAN, Private VLAN, Protocol-based VLAN, Tagged VLAN, Voice VLAN  Number of VLANs  4093  Operational conditions  Operating temperature (T-T)  Switching capacity *  60 Gbit/s  Throughput  44.64 Mpps  MAC address table *  16000 entries  Storage relative humidity (H-H)  Operating altitude	Spanning tree protocol	/	Power over Ethernet (PoE) *	<b>✓</b>
MAC address-based VLAN, Private VLAN, Protocol-based VLAN, Tagged VLAN, Voice VLAN Number of VLANs  4093  Operational conditions  Operating temperature (T-T)  O - 50 °C  Switching capacity *  Throughput  44.64 Mpps  MAC address table *  16000 entries  Storage relative humidity (H-H)  O - 90%  Store-and-forward  Latency (1 Gbps)  Number of queues  Num	VLAN support	<b>✓</b>	Power over Ethernet plus (PoE+)	8
Operating temperature (T-T) 0 - 50 °C Switching capacity * 60 Gbit/s Storage temperature (T-T) -20 - 70 °C Throughput 44.64 Mpps Operating relative humidity (H-H) 0 - 90% MAC address table * 16000 entries Storage relative humidity (H-H) 0 - 95% Store-and-forward ✓ Operating altitude 0 - 3000 m Latency (1 Gbps) 1.837 μs Non-operating altitude 0 - 3000 m Number of queues Heat dissipation 2859.91 BTU/h  Weight & dimensions  Width 440 mm Packet buffer memory 16 MB Depth 200 mm Height 43.2 mm Weight 43.2 mm Weight 6 displayed 3.83 kg  DHCP Option 82, DHCP relay, DHCP server, DHCP snooping, DHCPv6 Logistics data	Virtual LAN features	VLAN, Protocol-based VLAN, Tagged	Total Power over Ethernet (PoE)	
Switching capacity * 60 Gbit/s Storage temperature (T-T) -20 - 70 °C  Throughput 44.64 Mpps Operating relative humidity (H-H) 0 - 90%  MAC address table * 16000 entries Storage relative humidity (H-H) 0 - 95%  Store-and-forward ✓ Operating altitude 0 - 3000 m  Latency (1 Gbps) 1.837 μs Non-operating altitude 0 - 3000 m  Number of queues 8 Heat dissipation 2859.91 BTU/h  Jumbo frames support ✓ Weight & dimensions  Width 440 mm  Depth 200 mm  Height 43.2 mm  Weight Security  DHCP Option 82, DHCP relay, DHCP server, DHCP snooping, DHCPv6  Logistics data	Number of VLANs	4093	Operational conditions	
Throughput 44.64 Mpps Operating relative humidity (H-H) 0 - 90%  MAC address table * 16000 entries Storage relative humidity (H-H) 0 - 95%  Store-and-forward ✓ Operating altitude 0 - 3000 m  Latency (1 Gbps) 1.837 μs Non-operating altitude 0 - 3000 m  Number of queues 8 Heat dissipation 2859.91 BTU/h  Weight & dimensions  Packet buffer memory 16 MB Depth 200 mm  Height 43.2 mm  Weight 43.2 mm  Weight 45.64 Mpps Option 82, DHCP relay, DHCP server, DHCP snooping, DHCPv6  Logistics data	Data transmission		Operating temperature (T-T)	0 - 50 °C
MAC address table *  16000 entries  Storage relative humidity (H-H)  O - 95%  Operating altitude  O - 3000 m  Non-operating altitude  O - 3000 m  Number of queues  Number of queues  Numbo frames support  Umbo frames  12000  Weight & dimensions  Width  Packet buffer memory  16 MB  Depth  Depth  Height  43.2 mm  Weight  Weight  Weight  A3.2 mm  Weight  DHCP Option 82, DHCP relay, DHCP server, DHCP snooping, DHCPv6  Server, DHCP snooping, DHCPv6  Logistics data	Switching capacity *	60 Gbit/s		
Store-and-forward  Latency (1 Gbps)  1.837 μs  Non-operating altitude  0 - 3000 m  Number of queues  8  Heat dissipation  2859.91 BTU/h  Weight & dimensions  Width  440 mm  Packet buffer memory  16 MB  Depth  Height  43.2 mm  Weight  DHCP Option 82, DHCP relay, DHCP server, DHCP snooping, DHCPv6  Server, DHCP snooping, DHCPv6  Logistics data	Throughput	• •	•	
Latency (1 Gbps)  1.837 μs  Non-operating altitude  0 - 3000 m  2859.91 BTU/h  Weight & dimensions  Width  Packet buffer memory  16 MB  Depth  DHCP Option 82, DHCP relay, DHCP server, DHCP server, DHCP snooping, DHCPv6  Logistics data			,	
Number of queues 8 Heat dissipation 2859.91 BTU/h  Number of queues 8 Heat dissipation 2859.91 BTU/h  Weight & dimensions  Numbo frames 12000 Width 440 mm  Packet buffer memory 16 MB Depth 200 mm  Height 43.2 mm  Weight 3.83 kg  DHCP Option 82, DHCP relay, DHCP server, DHCP snooping, DHCPv6  Logistics data			· -	
Jumbo frames support  Jumbo frames 12000  Meight & dimensions  Weight & dimensions  Width 440 mm  Depth 200 mm  Height 43.2 mm  DHCP Option 82, DHCP relay, DHCP  Server, DHCP snooping, DHCPv6  Logistics data	•	•		
Jumbo frames 12000 Width 440 mm Packet buffer memory 16 MB Depth 200 mm  Security Height 43.2 mm  Weight 3.83 kg  DHCP Option 82, DHCP relay, DHCP server, DHCP snooping, DHCPv6  Logistics data	·		·	2000.01 810,11
Packet buffer memory 16 MB Depth 200 mm  Security Height 43.2 mm  DHCP Option 82, DHCP relay, DHCP server, DHCP snooping, DHCPv6 Server, DHCP snooping, DHCPv6 Logistics data	• • • • • • • • • • • • • • • • • • • •		•	440
DHCP Option 82, DHCP relay, DHCP server, DHCP snooping, DHCPv6  Security  DHCP Option 82, DHCP relay, DHCP server, DHCP snooping, DHCPv6 Logistics data	jamos mamos			
DHCP Option 82, DHCP relay, DHCP server, DHCP snooping, DHCPv6 Logistics data	·	10 110	•	
server, DHCP snooping, DHCPv6 Logistics data	Security	DUCD Ontion 02 DUCD		
server, DHCPv6 snooping Harmonized System (HS) code 85176990	DHCP features	server, DHCP snooping, DHCPv6 client, DHCPv6 relay, DHCPv6	Logistics data	
, <del>,</del> , ,	Access Control List (ACL)			
	IGMP snooping	✓		

## Security

SSH/SSL support

Loop protection

BPDU filtering/protection

✓

Authentication MAC-based authentication

Authentication type RADIUS





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