NETGEAR

NETGEAR M4100-50G-POE+ Managed L2+/L3 Gigabit Ethernet (10/100/1000) Power over Ethernet (PoE) Grey

Brand : NETGEAR

Product code: GSM7248P-100NES

Product name : M4100-50G-POE+

M4100-50G-POE+ - 50x RJ45 10/100/1000, 1x Serial RS232 DB9/Mini-USB, 48x PoE+, 555.50W
NETGEAR M4100-50G-POE+. 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: 50, USB 2.0 ports quantity: 1, Console port: RS-232. MAC address table: 16000 entries, Switching capacity: 100 Gbit/s. Networking standards: IEEE 802.1D, IEEE 802.1p, IEEE 802.1Q, IEEE 802.1s, IEEE 802.1v, IEEE 802.1w, IEEE 802.1x, IEEE.... Power over Ethernet (PoE). Rack mounting

Management features

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

Ports & interfaces

Basic switching RJ-45 Ethernet ports quantity *	50
Basic switching RJ-45 Ethernet ports type *	Gigabit Ethernet (10/100/1000)
SFP module slots quantity	4
Console port	RS-232
USB 2.0 ports quantity	1

Network

Networking standards *	IEEE 802.1D, IEEE 802.1p, IEEE 802.1Q, IEEE 802.1s, IEEE 802.1v, IEEE 802.1w, IEEE 802.1x, IEEE 802.3, IEEE 802.3ab, IEEE 802.3ad, IEEE 802.3af, IEEE 802.3az, IEEE 802.3u, IEEE 802.3x, IEEE 802.3z
10G support *	✔
Port mirroring	✔
Flow control support	✔
Link aggregation	✔
Broadcast storm control	✔
Rate limiting	✔
Spanning tree protocol	✔
VLAN support	✔
Virtual LAN features	Voice VLAN
Number of VLANs	1024

Data transmission

Switching capacity *	100 Gbit/s
MAC address table *	16000 entries
Latency (10-100 Mbps)	10.194 µs
Latency (1 Gbps)	3.91 µs
Jumbo frames support	✔
Jumbo frames	9000

Security

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

Design

Stackable *	✔
Product colour	Grey
Safety	CE, CSA, UL, CB, CCC

Performance

Internal memory	128 MB
Flash memory	32 MB
Noise level	47.7 dB
sFlow	✔
Mean time between failures (MTBF)	239.298 h

Power

Power consumption (typical)	555.50 W

Power over Ethernet (PoE)

Power over Ethernet (PoE) *	✔
Power over Ethernet plus (PoE+) ports quantity	48
Total Power over Ethernet (PoE) budget	380 W

Other features

Power LED	✔

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	1.896 BTU/h

Weight & dimensions

Width	440 mm
Depth	310 mm
Height	43.2 mm
Weight	4.96 kg

Packaging content

Manual	✔

Certificates

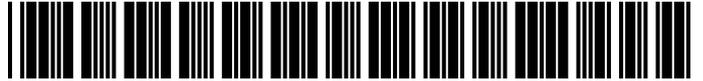|	
Certification	- CE mark, commercial - FCC Part 15 Class A, VCCI Class A - Class A EN 55022 (CISPR 22) Class A - Class A C-Tick - EN 50082-1 - EN 55024

Multicast features	
Multicast support	✔
Design	
Rack mounting *	✔

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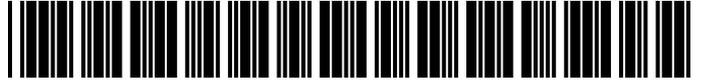
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