Netgear M4100-50G-POE+ (GSM7248P-100NES)

M4100-50G-POE+ - 50x RJ45 10/100/1000, 1x Serial RS232 DB9/Mini-USB, 48x PoE+,
555.50W

- Fully managed switches with CLI and scripting
- From 8 ports Fast Ethernet to 50 ports Gigabit
- Static Layer 3 routing with 64 IP interfaces
- High-end PoE 802.3af and PoE+ 802.3at
- RPS and EPS options up to 1,440W budget
- Private VLANs, LLDP-MED and MVR

The NETGEAR® Intelligent Edge M4100 series consists of 12 fully managed switches, ranging from 8-port Fast
Ethernet to 50-port Gigabit Ethernet.
They are ideal for all organizations considering reliable, affordable and simple access layer switching with CLI,
advanced scripting capabilities and Layer 3 routing.

As a cost-effective component of converged voice, video and data networking solutions, NETGEAR M4100 series
delivers a secure edge in commercial buildings and campus LAN environments: PoE (802.3af) and PoE+ (802.3at)
versions of M4100 series are perfect for Wireless access points, IP telephony and IP surveillance deployments.

Layer 2+ with static routing
- M4100 series comes with Port-based / VLAN-based / Subnet-based "static routing" Layer 2+ versions
- L3 fixed routes to the next hop towards the destination network are added to the routing table
- L3 routing is wire-speed in M4100 series hardware with 64 static routes (IPv4)

Engineered for convergence
- Automatic multi-vendor Voice over IP prioritization based on SIP, H323 and SCCP protocol
- Voice VLAN and LLDP-MED for automatic IP phones QoS and VLAN configuration
- Advanced classifier-based hardware for L2, L3, L4 security and prioritization
- Advanced Multicast filtering with IGMP and MLD snooping and querier modes

High-value performance and IPv6 ready
- 16K MAC addresses; up to 100Gbps switching fabric; 9K jumbo frames; Green Ethernet
- IPv4/IPv6 ingress traffic filtering (ACLs) and prioritization (QoS - DiffServ)

High availability and PoE/PoE+ full power capability
- Redundant power supply option for uninterruptible operation (RPS)
- External power supply option for PoE and PoE+ full power applications (EPS up to 1,440W)

Industry standard management
Industry standard command line interface (CLI)
Fully functional NETGEAR web interface (GUI)

Industry leading warranty
NETGEAR M4100 series is backed by NETGEAR ProSafe Lifetime Hardware Warranty
Also included ProSupport Lifetime 24x7 Advanced Technical Support
Also included 3-Year Next Business Day Onsite Hardware Replacement

Main specifications:

Management features
Switch type:	Managed network switch
Switch layer:	L2+
Quality of Service (QoS) support:	Y
Multicast support:	Y
System event log:	Y

Ports & interfaces
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

Networking
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:	Y
Flow control support:	Y
Port mirroring:	Y
Link aggregation:	Y
Broadcast storm control:	Y
Rate limiting:	Y
DHCP client:	Y
DHCP server:	Y
IGMP snooping:	Y
Spanning tree protocol:	Y
VLAN support:	Y

Data transmission
MAC address table:	16000 entries
Latency (10-100 Mbps):	10.194 µs
Latency (1 Gbps):	3.91 µs
Number of VLANs:	1024

Security
Access Control List (ACL):	Y
SSH/SSL support:	Y

Design
Rack mounting:	Y
Colour of product:	Grey
Safety:	CE, CSA, UL, CB, CCC
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

Performance
Stackable:	Y
Internal memory:	128 MB
Flash memory:	32 MB
Noise level:	47.7 dB
Mean time between failures (MTBF):	239.298 h

Power
Power consumption (typical):	555.50 W

Power over Ethernet (PoE)
Power over Ethernet (PoE):	Y
Power over Ethernet plus (PoE+) ports quantity:	48

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:	4960 g

Packaging data
| Manual: | Y |

Other features
| Power LED: | Y |