

## NETGEAR M4300-16X Managed L3 10G Ethernet (100/1000/10000) Power over Ethernet (PoE) 1U Black



**Brand :** NETGEAR

**Product code:** XSM4316PB-100NES

**Product name :** M4300-16X

- 16-port 100M/1G/2.5G/5G/10GBASE-T with PoE+ (copper RJ45)
  - 320Gbps non-blocking fabric across 16 ports
  - Out-of-band 1G Ethernet management port
  - Mini-USB and RJ45 RS232 console ports and USB storage port
  - Full L3 feature set and non-stop forwarding (NSF) stacking
  - Half-width form factor with one- and two-unit rack mount kit
  - Two half-width switches can be installed in a single rack space for redundant top-of-rack
  - Ships with one modular APS600W PSU in its power supply slot
  - Low acoustics (36dB with APS299W, 35dB with APS600W, @25°C / 77°F )
- M4300-16X, 320 Gbps, 238 Mpps, 16x 100/1000/2.5/5/10GBASE-T RJ-45, PoE+, 600W PSU, 212x44x345 mm

Management features		Protocols	
Switch type *	Managed	GARP VLAN Registration Protocol (GVRP)	✓
Switch layer	L3	Routing protocols	OSPF, OSPFv3, RIP, RIP-1, RIP-2
Quality of Service (QoS) support	✓		
Ports & interfaces		Design	
Basic switching RJ-45 Ethernet ports quantity *	16	Rack mounting *	✓
Basic switching RJ-45 Ethernet ports type *	10G Ethernet (100/1000/10000)	Stackable *	✓
Console port	RJ-45/Mini-USB	Form factor	1U
USB 2.0 ports quantity	1	Product colour	Black
		Airflow direction	Front-to-back airflow
Network		Performance	
Networking standards *	IEEE 802.1D, IEEE 802.1Q, IEEE 802.1ab, IEEE 802.1p, IEEE 802.1s, IEEE 802.1v, IEEE 802.1w, IEEE 802.3, IEEE 802.3ad, IEEE 802.3af, IEEE 802.3at, IEEE 802.3az, IEEE 802.3bz, IEEE 802.3u	Physical stacking (units)	8
10G support *	✓	Built-in processor	✓
Port mirroring	✓	Processor frequency	800 MHz
IP routing	✓	Internal memory	1024 MB
Link aggregation	✓	Noise level	35 dB
Auto-sensing	✓	Mean time between failures (MTBF)	690301 h
VLAN support	✓	Power	
Virtual LAN features	Private VLAN, Tagged VLAN, Voice VLAN	Power supply included *	✓
Number of VLANs	4093	Number of power supply units	1
		Power consumption (max)	610 W
Data transmission		Power over Ethernet (PoE)	
Switching capacity *	320 Gbit/s	Power over Ethernet (PoE) *	✓
Throughput	238 Mpps	Power over Ethernet plus (PoE+) ports quantity	16
MAC address table *	16000 entries	Power over Ethernet (PoE) power per port	30 W
Store-and-forward	✓	Total Power over Ethernet (PoE) budget	500 W
Number of queues	8	Operational conditions	
Number of static routes	64	Heat dissipation	2081.64 BTU/h
Jumbo frames support	✓	Weight & dimensions	
Jumbo frames	9000	Width	212 mm
		Depth	345 mm
		Height	44 mm
		Weight	3.22 kg
Security		Packaging data	
DHCP features	DHCP client, DHCP snooping, DHCPv6 client, DHCPv6 relay, DHCPv6 server, DHCPv6 snooping	Rack mount kit	✓
Access Control List (ACL)	✓		

**Security**

IGMP snooping	✓
BPDU filtering/protection	✓
Authentication	Guest VLAN, MAC-based authentication

**Multicast features**

Multicast support	✓
Number of multicast groups filtered	4000

**Logistics data**

Harmonized System (HS) code	85176990
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