

## NETGEAR M4300-8X8F Managed L3 10G Ethernet (100/1000/10000) 1U Black

**Brand :** NETGEAR

**Product code:** XSM4316S-100NES

**Product name :** M4300-8X8F



320 Gbps, 10/100/1000/10000, 1U, L3

NETGEAR M4300-8X8F. Switch type: Managed, Switch layer: L3. Basic switching RJ-45 Ethernet ports type: 10G Ethernet (100/1000/10000), Basic switching RJ-45 Ethernet ports quantity: 8, USB 2.0 ports quantity: 1, Console port: RJ-45/Mini-USB. MAC address table: 16000 entries, Switching capacity: 320 Gbit/s. Networking standards: IEEE 802.11ad, IEEE 802.11az, IEEE 802.3ad, IEEE 802.3az. Rack mounting, Form factor: 1U

Management features		Multicast features	
Switch type *	Managed	Number of multicast groups filtered	4000
Switch layer	L3	<b>Design</b>	
Quality of Service (QoS) support	✓	Rack mounting *	✓
Web-based management	✓	Stackable *	✓
ARP inspection	✓	Form factor	1U
<b>Ports &amp; interfaces</b>		Product colour	Black
Basic switching RJ-45 Ethernet ports quantity *	8	LED indicators	Activity, Power, Speed
Basic switching RJ-45 Ethernet ports type *	10G Ethernet (100/1000/10000)	Safety	CSA 22.2 #950, UL 1950)/cUL IEC 950/EN 60950
SFP+ module slots quantity	8	Electromagnetic compatibility	CE, FCC 15 A, VCCI A, A EN 55022, (CISPR 22) A, EN 50082-1, EN 55024
Fiber optic connector	SFP+	<b>Performance</b>	
Console port	RJ-45/Mini-USB	Built-in processor	✓
USB 2.0 ports quantity	1	Processor frequency	800 MHz
<b>Network</b>		Internal memory	1024 MB
Networking standards *	IEEE 802.11ad, IEEE 802.11az, IEEE 802.3ad, IEEE 802.3az	Flash memory	256 MB
10G support *	✓	Noise level	36.9 dB
Cable types supported	Cat5, Cat5e, Cat6, Cat7	Mean time between failures (MTBF)	196120 h
Port mirroring	✓	<b>Power</b>	
IP routing	✓	Power supply included *	✓
Flow control support	✓	Number of power supply units	1
Link aggregation	✓	AC input voltage	120 - 230 V
Rate limiting	✓	Power consumption (max)	49 W
Auto MDI/MDI-X	✓	<b>Power over Ethernet (PoE)</b>	
Spanning tree protocol	✓	Power over Ethernet (PoE) *	✗
Auto-sensing	✓	<b>Operational conditions</b>	
Auto-negotiation	✓	Operating temperature (T-T)	0 - 50 °C
VLAN support	✓	Storage temperature (T-T)	-20 - 70 °C
Virtual LAN features	Private VLAN	Operating relative humidity (H-H)	0 - 90%
<b>Optical fiber</b>		Storage relative humidity (H-H)	0 - 95%
Fiber ethernet cabling technology	10GBASE-LR, 10GBASE-LRM, 10GBASE-SR	Operating altitude	0 - 3000 m
		Non-operating altitude	0 - 3000 m
		Heat dissipation	18577 BTU/h

Data transmission		Weight & dimensions	
Switching capacity *	320 Gbit/s	Width	212 mm
Forwarding rate	357 Mpps	Depth	345 mm
MAC address table *	16000 entries	Height	44 mm
Store-and-forward	✓	Weight	3.32 kg
Number of static routes	64	<b>Packaging content</b>	
Jumbo frames support	✓	Cables included	AC, LAN (RJ-45), Mini-USB
Jumbo frames	9000	User guide	✓
<b>Security</b>		Rack mount kit	✓
DHCP features	DHCP server, DHCP client	<b>Packaging data</b>	
Access Control List (ACL)	✓	Rubber feet	✓
Security algorithms	HTTPS, SNMP, SSH	Resource CD	✓
SSH/SSL support	✓	<b>Logistics data</b>	
BPDU filtering/protection	✓	Harmonized System (HS) code	85176990
<b>Multicast features</b>			
Multicast support	✓		



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