NETGEAR

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

Brand : NETGEAR

Product name : M4300-8X8F

Product code: XSM4316S-100NES

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

Switch type *	Managed
Switch layer	L3
Quality of Service (QoS) support	✓
Web-based management	✓
ARP inspection	✓

Ports & interfaces

Basic switching RJ-45 Ethernet ports quantity *	8
Basic switching RJ-45 Ethernet ports type *	10G Ethernet (100/1000/10000)
SFP+ module slots quantity	8
Fiber optic connector	SFP+
Console port	RJ-45/Mini-USB
USB 2.0 ports quantity	1

Network

Networking standards *	IEEE 802.11ad, IEEE 802.11az, IEEE 802.3ad, IEEE 802.3az
10G support *	✓
Cable types supported	Cat5, Cat5e, Cat6, Cat7
Port mirroring	✓
IP routing	✓
Flow control support	✓
Link aggregation	✓
Rate limiting	✓
Auto MDI/MDI-X	✓
Spanning tree protocol	✓
Auto-sensing	✓
Auto-negotiation	✓
VLAN support	✓
Virtual LAN features	Private VLAN

Optical fiber

Fiber ethernet cabling technology	10GBASE-LR, 10GBASE-LRM, 10GBASE-SR

Data transmission

Switching capacity *	320 Gbit/s
Forwarding rate	357 Mpps
MAC address table *	16000 entries
Store-and-forward	✓
Number of static routes	64

Multicast features

Number of multicast groups filtered	4000

Design

Rack mounting *	✓
Stackable *	✓
Form factor	1U
Product colour	Black
LED indicators	Activity, Power, Speed
Safety	CSA 22.2 #950, UL 1950)/cUL IEC 950/EN 60950
Electromagnetic compatibility	CE, FCC 15 A, VCCI A, A EN 55022, (CISPR 22) A, EN 50082-1, EN 55024

Performance

Built-in processor	✓
Processor frequency	800 MHz
Internal memory	1024 MB
Flash memory	256 MB
Noise level	36.9 dB
Mean time between failures (MTBF)	196120 h

Power

Power supply included *	✓
Number of power supply units	1
AC input voltage	120 - 230 V
Power consumption (max)	49 W

Power over Ethernet (PoE)

Power over Ethernet (PoE) *	✗

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	18577 BTU/h

Weight & dimensions

Width	212 mm
Depth	345 mm
Height	44 mm
Weight	3.32 kg

Data transmission

Jumbo frames support	✓
Jumbo frames	9000

Security

DHCP features	DHCP server, DHCP client
Access Control List (ACL)	✓
Security algorithms	HTTPS, SNMP, SSH
SSH/SSL support	✓
BPDU filtering/protection	✓

Multicast features

Multicast support	✓

Packaging data

Cables included	AC, LAN (RJ-45), Mini-USB
User guide	✓
Rack mount kit	✓
Rubber feet	✓
Resource CD	✓

Logistics data

Harmonized System (HS) code	85176990

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