NETGEAR

NETGEAR M4300-24XF Managed L3 1U Black, Grey

Brand : NETGEAR   **Product code:** XSM4324FS-100NES

Product name : M4300-24XF

M4300-24XF, 480Gbps, 357 Mpps, 24x 10GBASE-X SFP+, 2x 10GBASE-T RJ-45, Mini-USB, RS-232, 212x44x345 mm

NETGEAR M4300-24XF Managed L3 1U Black, Grey:

The M4300 Stackable L3 Managed Switch Series comes with 40G, 10G and 1G models in a variety of form factors including PoE+ full provisioning. M4300 Switch Series delivers IPv4/IPv6 rich services for mid-enterprise edge and SMB core with mixed stacking between 40-, 10- and 1-Gigabit models. Layer 3 feature set includes static and policy-based routing, RIP, VRRP, OSPF, and PIM dynamic routing. M4300 is ideal for server aggregation, wireless access, unified communications and Video-over-IP.
NETGEAR M4300-24XF. Switch type: Managed, Switch layer: L3. USB 2.0 ports quantity: 1, Console port: RJ-45/Mini-USB. Full duplex. MAC address table: 16000 entries, Switching capacity: 480 Gbit/s. Networking standards: IEEE 802.1AX, IEEE 802.1D, IEEE 802.1Q, IEEE 802.1Qbb, IEEE 802.1ab, IEEE 802.1p, IEEE 802.1s,.... Rack mounting, Form factor: 1U

Management features

Switch type *	Managed
Switch layer	L3
Quality of Service (QoS) support	✓

Ports & interfaces

SFP+ module slots quantity	24
Console port	RJ-45/Mini-USB
USB 2.0 ports quantity	1

Network

Networking standards *	IEEE 802.1AX, IEEE 802.1D, IEEE 802.1Q, IEEE 802.1Qbb, IEEE 802.1ab, IEEE 802.1p, IEEE 802.1s, IEEE 802.1v, IEEE 802.1w, IEEE 802.1x, IEEE 802.3, IEEE 802.3ad, IEEE 802.3ae, IEEE 802.3az, IEEE 802.3ba, IEEE 802.3bz, IEEE 802.3u, IEEE 802.3x
10G support *	✓
Copper ethernet cabling technology	10GBASE-T
Port mirroring	✓
Full duplex	✓
Policy-based routing	✓
Flow control support	✓
Link aggregation	✓
Broadcast storm control	✓
Spanning tree protocol	✓
Auto-sensing	✓
VLAN support	✓
Virtual LAN features	MAC address-based VLAN, Private VLAN, Protocol-based VLAN, Tagged VLAN, Voice VLAN
Number of VLANs	4093

Optical fiber

Fiber ethernet cabling technology	10GBASE-X

Data transmission

Switching capacity *	480 Gbit/s
Throughput	357 Mpps
MAC address table *	16000 entries
Store-and-forward	✓
Latency (1 Gbps)	2.333 µs

Security

DHCP features	DHCP client, DHCP relay, DHCP snooping, DHCPv6 client, DHCPv6 relay, DHCPv6 snooping
Access Control List (ACL)	✓
Access Control List (ACL) rules	64
IGMP snooping	✓
BPDU filtering/protection	✓

Multicast features

Multicast support	✓

Protocols

GARP VLAN Registration Protocol (GVRP)	✓
Routing protocols	OSPF, OSPFv3, RIP, RIP-1, RIP-2

Design

Rack mounting *	✓
Stackable *	✓
Form factor	1U
Product colour	Black, Grey
Airflow direction	Front-to-back airflow

Performance

Physical stacking (units)	8
Built-in processor	✓
Processor frequency	800 MHz
Internal memory	1024 MB
Flash memory	256 MB
Noise level	39.7 dB
Mean time between failures (MTBF)	968447 h

Power

Power supply included *	✓
Number of power supply units	1
Power consumption (max)	87.2 W

Power over Ethernet (PoE)

Power over Ethernet (PoE) *	✗

Operational conditions

Heat dissipation	330.6 BTU/h

Data transmission

Latency (10 Gbps)	1.323 µs
Number of queues	8
Static route	✔
Number of static routes	64
Jumbo frames support	✔
Jumbo frames	9000
Packet buffer memory	32 MB

Weight & dimensions

Width	212 mm
Depth	345 mm
Height	44 mm
Weight	3.56 kg

Logistics data

Harmonized System (HS) code	85176990

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