

## 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		Security	
Switch type *	Managed	DHCP features	DHCP client, DHCP relay, DHCP snooping, DHCPv6 client, DHCPv6 relay, DHCPv6 snooping
Switch layer	L3	Access Control List (ACL)	✓
Quality of Service (QoS) support	✓	Access Control List (ACL) rules	64
Ports & interfaces		IGMP snooping	✓
SFP+ module slots quantity	24	BPDU filtering/protection	✓
Console port	RJ-45/Mini-USB	Multicast features	
USB 2.0 ports quantity	1	Multicast support	✓
Network		Protocols	
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	GARP VLAN Registration Protocol (GVRP)	✓
10G support *	✓	Routing protocols	OSPF, OSPFv3, RIP, RIP-1, RIP-2
Copper ethernet cabling technology	10GBASE-T	Design	
Port mirroring	✓	Rack mounting *	✓
Full duplex	✓	Stackable *	✓
Policy-based routing	✓	Form factor	1U
Flow control support	✓	Product colour	Black, Grey
Link aggregation	✓	Airflow direction	Front-to-back airflow
Broadcast storm control	✓	Performance	
Spanning tree protocol	✓	Physical stacking (units)	8
Auto-sensing	✓	Built-in processor	✓
VLAN support	✓	Processor frequency	800 MHz
Virtual LAN features	MAC address-based VLAN, Private VLAN, Protocol-based VLAN, Tagged VLAN, Voice VLAN	Internal memory	1024 MB
Number of VLANs	4093	Flash memory	256 MB
Optical fiber		Noise level	39.7 dB
Fiber ethernet cabling technology	10GBASE-X	Mean time between failures (MTBF)	968447 h
Data transmission		Power	
Switching capacity *	480 Gbit/s	Power supply included *	✓
Throughput	357 Mpps	Number of power supply units	1
MAC address table *	16000 entries	Power consumption (max)	87.2 W
Store-and-forward	✓	Power over Ethernet (PoE)	
Latency (1 Gbps)	2.333 µs	Power over Ethernet (PoE) *	✗
		Operational conditions	
		Heat dissipation	330.6 BTU/h

Data transmission		Weight & dimensions	
Latency (10 Gbps)	1.323 $\mu$ s	Width	212 mm
Number of queues	8	Depth	345 mm
Static route	✓	Height	44 mm
Number of static routes	64	Weight	3.56 kg
Jumbo frames support	✓	Logistics data	
Jumbo frames	9000	Harmonized System (HS) code	85176990
Packet buffer memory	32 MB		



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