

NETGEAR M4300 12X10G,12XSFP+ Managed Switch(XSM4324S-100NES) Switch - L3 - Stackable Half-Width Managed Switch with 12-Port 10GBASE-T and 12-Port 10GBase-X SFP+



The NETGEAR M4300 Switch Series delivers L2/L3/L4 and IPv4/IPv6 rich services for enterprise edge and SMB aggregation deployments with unrivaled ease of use: 10 Gigabit models can seamlessly stack with 1 Gigabit models within the series. Non-stop forwarding virtual chassis architectures provide advanced High Availability (HA) with hitless failover, that is, distributed link aggregation allows for load balancing and virtually zero downtime. License-free L3 feature set includes static routing, policy-based routing, RIP, VRRP, OSPF as well as Multicast PIM routing. The NETGEAR M4300 Switch Series is ready for the future, with Software-defined Network (SDN) and OpenFlow 1.3 enabled for your network.

M4300-12X12F comes with 12 ports 10GBASE-T and 12 ports 10GBASE-X SFP+ in a half-width form factor. All 24 ports are independent and 1G backward compatible for progressive transition to 10G speeds. Ideal for server and storage aggregation: two half-width M4300 switches can be installed in a single rack space. M4300-12X12F is line-rate with 480Gbps fabric for SMB core applications as well as spine and leaf stacking architectures.

Key Selling Points

The M4300-12X12F half-width switch provides 12-port 10GBASE-T and 12-port 10GBASE-X SFP+ All (24) 10G ports are independent and 1G backward compatible for progressive transition to 10G speeds With 480Gbps non-blocking fabric, M4300-12X12F delivers L2/L3/L4 and IPv4/IPv6 rich services for virtualization (Auto-iSCSI prioritization), server / storage interconnect and SMB core applications Virtual Chassis stacking provides non-stop forwarding (NSF) and hitless failover for highest availability (HA) Two half-width M4300 10GbE models can be paired in a single rack space for redundant top-of-rack and active-active server installations

Main Specifications

Product Description	NETGEAR M4300-12X12F - switch - 24 ports - Managed - rack-mountable
Device Type	Switch - 24 ports - L3 - Managed - stackable
Enclosure Type	Front to back airflow rack-mountable 1U
Subtype	10 Gigabit Ethernet
Ports	12 x 10/100/1000/10000 + 12 x 10 Gigabit SFP+
Performance	Switching capacity: 480 Gbps
Routing Protocol	OSPF, RIP, IGMPv2, IGMP, VRRP, PIM-SM, PIM-DM, IGMPv3, MLDv2
Remote Management Protocol	SNMP, Telnet, HTTPS, SSH, CLI
Features	ARP support, DiffServ support, IPv6 support, Spanning Tree Protocol (STP) support, Rapid Spanning Tree Protocol (RSTP) support, Virtual Route Redundancy Protocol (VRRP) support, DHCP snooping, Access Control List (ACL) support, Quality of Service (QoS), MLD snooping, STP Root Guard, IPv4 support, LACP support, DHCP relay, Remote Switch Port Analyzer (RSPAN), Per-VLAN Rapid Spanning Tree (PVRST), dynamic ARP protection, IP source guard, Bridge protocol data unit (BPDU), LISP Across Subnet Mode (ASM), Source-Specific Multicast (SSM)
Compliant Standards	IEEE 802.3ad (LACP), IEEE 802.3az
Power	AC 120/230 V
Localisation	Europe, Americas
Manufacturer Warranty	NETGEAR lifetime warranty

Extended Specification

General

Device Type	Switch - 24 ports - L3 - Managed - stackable
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Enclosure Type	Front to back airflow rack-mountable 1U
Subtype	10 Gigabit Ethernet
Ports	12 x 10/100/1000/10000 + 12 x 10 Gigabit SFP+
Performance	Switching capacity:480 Gbps
Max Units In A Stack	8
Routing Protocol	OSPF,RIP,IGMPv2,IGMP,VRRP,PIM-SM,PIM-DM,IGMPv3,MLDv2
Remote Management Protocol	SNMP,Telnet,HTTPS,SSH,CLI
Authentication Method	RADIUS,TACACS+
Features	ARP support,DiffServ support,IPv6 support,Spanning Tree Protocol (STP) support,Rapid Spanning Tree Protocol (RSTP) support,Virtual Route Redundancy Protocol (VRRP) support,DHCP snooping,Access Control List (ACL) support,Quality of Service (QoS),MLD snooping,STP Root Guard,IPv4 support,LACP support,DHCP relay,Remote Switch Port Analyzer (RSPAN),Per-VLAN Rapid Spanning Tree (PVRST),dynamic ARP protection,IP source guard,Bridge protocol data unit (BPDU),LISP Across Subnet Mode (ASM),Source-Specific Multicast (SSM)
Compliant Standards	IEEE 802.3ad (LACP),IEEE 802.3az

Expansion / Connectivity

Interfaces	12 x 10GBase-T RJ-45 12 x 10GBase-X SFP+ 1 x management (Gigabit LAN) RJ-45 1 x serial (RS-232) RJ-45 1 x console (mini-USB) 1 x USB Type A
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Power

Power Device	Internal power supply
Voltage Required	AC 120/230 V

Miscellaneous

Localisation	Europe,Americas
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Manufacturer Warranty

Service &Support	Limited warranty - lifetime
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