NETGEAR

NETGEAR M4300-16X Hallittu L3 10G Ethernet (100/1000/10000) Power over Ethernet -tuki 1U musta

Tuotemerkki : NETGEAR

Tuotekoodi: XSM4316PB-100NES

Tuotteen nimi : M4300-16X

NETGEAR M4300-16X. Kytkin tyyppi: Hallittu, Kytkinkerros: L3. Peruskytkentä RJ-45 Ethernet-porttien tyyppi: 10G Ethernet (100/1000/10000), Basic kytkentä RJ-45 Ethernet-porttien määrä: 16, USB 2.0 - porttien määrä: 1, Console-portti: RJ-45/Mini-USB. MAC-osoitetaulukko: 16000 entries, Kytkentäkapasiteetti: 320 Gbit/s. Verkkostandardit: IEEE 802.1D, IEEE 802.1Q, IEEE 802.1ab, IEEE 802.1p, IEEE 802.1s, IEEE 802.1v, IEEE 802.1w, IEEE.... Power over Ethernet -tuki. Telineasennus, Kotelo: 1U

Management features

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

Ports & interfaces

Basic switching RJ-45 Ethernet ports quantity *	16
Basic switching RJ-45 Ethernet ports type *	10G Ethernet (100/1000/10000)
Console port	RJ-45/Mini-USB
USB 2.0 ports quantity	1

Network

Networking standards *	IEEE 802.1D, IEEE 802.1Q, IEEE 802.1ab, IEEE 802.1p, IEEE 802.1s, IEEE 802.1v, IEEE 802.1w, IEEE 802.3, IEEE 802.3ad, IEEE 802.3af, IEEE 802.3at, IEEE 802.3az, IEEE 802.3bz, IEEE 802.3u
10G support *	✔
Port mirroring	✔
IP routing	✔
Link aggregation	✔
Auto-sensing	✔
VLAN support	✔
Virtual LAN features	Private VLAN, Tagged VLAN, Voice VLAN
Number of VLANs	4093

Data transmission

Switching capacity *	320 Gbit/s
Throughput	238 Mpps
MAC address table *	16000 entries
Store-and-forward	✔
Number of queues	8
Number of static routes	64
Jumbo frames support	✔
Jumbo frames	9000

Security

DHCP features	DHCP client, DHCP snooping, DHCPv6 client, DHCPv6 relay, DHCPv6 server, DHCPv6 snooping
Access Control List (ACL)	✔
IGMP snooping	✔
BPDU filtering/protection	✔

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
Airflow direction	Front-to-back airflow

Performance

Physical stacking (units)	8
Built-in processor	✔
Processor frequency	800 MHz
Internal memory	1024 MB
Noise level	35 dB
Mean time between failures (MTBF)	690301 h

Power

Power supply included *	✔
Number of power supply units	1
Power consumption (max)	610 W

Power over Ethernet (PoE)

Power over Ethernet (PoE) *	✔
Power over Ethernet plus (PoE+) ports quantity	16
Power over Ethernet (PoE) power per port	30 W
Total Power over Ethernet (PoE) budget	500 W

Operational conditions

Heat dissipation	2081.64 BTU/h

Weight & dimensions

Width	212 mm
Depth	345 mm
Height	44 mm
Weight	3.22 kg

Packaging content

Rack mount kit	✔

Logistics data

Harmonized System (HS) code	85176990

Security

Authentication	Guest VLAN, MAC-based authentication

Multicast features

Multicast support	✔
Number of multicast groups filtered	4000

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