

NETGEAR MSM4310 Managed L3 2.5G Ethernet (100/1000/2500) Power over Ethernet (PoE) 1U Zwart

Merk : NETGEAR

Artikelcode: MSM4310-100NES

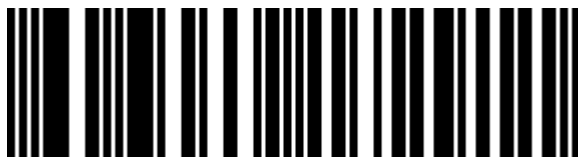
Productnaam : MSM4310

NETGEAR MSM4310. Switch type: Managed, Switch-laag: L3. Type basis-switching RJ-45 Ethernet-poorten: 2.5G Ethernet (100/1000/2500), Aantal basis-switching RJ-45 Ethernet-poorten: 8. Full duplex. MAC-adrestabel: 16000 entries, Switchingcapaciteit: 140 Gbit/s. Netwerkstandaard: IEEE 802.1D, IEEE 802.1Q, IEEE 802.1Qav, IEEE 802.1s, IEEE 802.1w, IEEE 802.1x, IEEE 802.3, IEEE.... Netstekker: AC-in-aansluiting. Power over Ethernet (PoE). Rack-montage, Vormfactor: 1U



Beheerfuncties		Multicast-functies	
Switch type *	Managed	Multicast Listener Discovery (MLD) snooping	✓
Switch-laag	L3	Protocollen	
Quality of Service (QoS)	✓	Beheerprotocollen	SNMP V1, V2, V3
Web-gebaseerd management	✓	GARP VLAN Registratieprotocol (GVRP)	✓
ARP-inspectie	✓	Routing protocols	OSPF, OSPFv2, OSPFv3, RIP, RIP-1, RIP-2
Poorten & interfaces		Design	
Aantal basis-switching RJ-45 Ethernet-poorten *	8	Rack-montage *	✓
Type basis-switching RJ-45 Ethernet-poorten *	2.5G Ethernet (100/1000/2500)	Stapelbaar *	✓
Aantal 2.5G Ethernet (koper)poorten	8	Vormfactor	1U
Aantal 10G Ethernet (koper)poorten	8	Kleur van het product	Zwart
Aantal SFP28-poorten	2	LED-indicatoren	✓
Netstekker	AC-in-aansluiting	Luchtstroomrichting	Luchtstroom van voren naar achteren
Netwerk		Prestatie	
Netwerkstandaard *	IEEE 802.1D, IEEE 802.1Q, IEEE 802.1Qav, IEEE 802.1s, IEEE 802.1w, IEEE 802.1x, IEEE 802.3, IEEE 802.3ab, IEEE 802.3ad, IEEE 802.3ak, IEEE 802.3bz, IEEE 802.3u	Type processor	✓
10G support *	✗	Processormodel	ARM Cortex-A57
Full duplex	✓	Frequentie van processor	1800 MHz
Datastroombeheer	✓	Type geheugen	DDR4-SDRAM
Verbindingsaggregatie	✓	Intern geheugen	2048 MB
Broadcast stormbeheer	✓	Flash memory	512 MB
Spanning tree protocol	✓	sFlow	✓
6to4-tunnel	✓	Energie	
IPv4-routes	512	Stroombron *	AC
IPv6-routes	256	Vermogenstoevoer inclusief *	✓
VLAN=ondersteuning	✓	Stroomverbruik (typisch)	133,5 W
Virtuele LAN-functies	MAC address-based VLAN, Private VLAN, Voice VLAN	Vermogensverbruik (max)	351,5 W
Aantal VLANs	4093	Power over Ethernet (PoE)	
Data-uitwisseling		Power over Ethernet (PoE) *	✓
Switchingcapaciteit *	140 Gbit/s	Aantal Power over Ethernet 4PPoE (PoE++)-poorten	48
Throughput	372 Mpps	Vermogen per poort Power over Ethernet (PoE)	90 W
MAC-adrestabel *	16000 entries	Totaal Power over Ethernet (PoE)-budget	3314 W

Data-uitwisseling		Overige specificaties	
Store-and-forward	✓	Netvoeding	550 W
Latentie (10 Gbps)	2,27 µs	Eisen aan de omgeving	
Jumbo Frames ondersteuning	✓	Bedrijfstemperatuur (T-T)	0 - 45 °C
Jumbo frames	12000	Temperatuur bij opslag	-20 - 70 °C
Packet buffergeheugen	32 MB	Relatieve vochtigheid in bedrijf (V-V)	0 - 90 procent
Beveiliging		Luchtvochtigheid bij opslag	0 - 95 procent
DHCP-functies	DHCP Option 150, DHCP Option 66, DHCP Option 67, DHCP relay, DHCP server, DHCP snooping	Hoogte, in bedrijf	0 - 3000 m
Access Control List (ACL)	✓	Hoogte bij opslag	0 - 3000 m
Toegangsbeheerlijst (ACL) uitgaand	1023	Gewicht en omvang	
Toegangsbeheerlijst (ACL) inkomend	511	Breedte	220 mm
IGMP snooping	✓	Diepte	300 mm
IGMP-proxy	✓	Hoogte	43,2 mm
MAC adres filtering	✓	Gewicht	2,9 kg
Statische poort beveiliging	✓	Inhoud van de verpakking	
Bescherming lus	✓	Meegeleverde kabels	AC, USB Type-C
BPDU filtering / bescherming	✓	Snelstartgids	✓
Authenticatie	Gast-VLAN, MAC-gebaseerde authenticatie	Rekbevestigingspakket	✓
Root-bescherming	✓	Verpakking	
Wachtwoordbeveiliging	✓	Inbegrepen soorten voedingsstekkers	EU, UK, NA
DoS aanval preventie	✓	Duurzaamheid	
Authenticatie type	RADIUS, TACACS+	Naleving van duurzaamheid	✓
Algoritmen wachtrijplanning	Strict Priority Queue (SPQ), Weighted random early detection (WRED)	Certificaten	
Multicast-functies		Certificaten van naleving	BSMI, CCC, CE, Federal Communications Commission (FCC), Laagspanningsrichtlijn (LVD)
Multicast-ondersteuning	✓		



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