NETGEAR

NETGEAR XSM4216F Managed L2/L3 1U Schwarz

Marke : NETGEAR **Artikel-Code:** XSM4216F-100EUS

Produktname : XSM4216F

NETGEAR XSM4216F. Switch-Typ: Managed, Switch-Ebene: L2/L3. Konsolen-Port: RJ-45/USB Type-C. Vollduplex. MAC-Adressentabelle: 16000 Eintragungen, Routing-/Switching-Kapazität: 320 Gbit/s. Netzstandard: IEEE 802.1D, IEEE 802.1Q, IEEE 802.1ab, IEEE 802.1s, IEEE 802.1w, IEEE 802.1x, IEEE 802.3ad, IEEE.... Rack-Einbau, Formfaktor: 1U

Management-Funktionen	
Switch-Typ *	Managed
Switch-Ebene	L2/L3
Quality of Service (QoS) Support	✔
Anschlüsse und Schnittstellen	
Basic Switching RJ-45 Ethernet Ports-Typ *	✘
Menge Modul-Steckplätze SFP+	16
Konsolen-Port	RJ-45/USB Type-C
Netzwerk	
Netzstandard *	IEEE 802.1D, IEEE 802.1Q, IEEE 802.1ab, IEEE 802.1s, IEEE 802.1w, IEEE 802.1x, IEEE 802.3ad, IEEE 802.3af, IEEE 802.3at, IEEE 802.3bt, IEEE 802.3x
10G-Unterstützung *	✔
Vollduplex	✔
Link Aggregation	✔
Broadcast-Sturmkontrolle	✔
Ratenbeschränkung	✔
Spannbaum-Protokoll	✔
VLAN-Unterstützung	✔
Virtuelle LAN-Funktionen	MAC address-based VLAN, Private VLAN, Protocol-based VLAN, Tagged VLAN, Voice VLAN
Anzahl der VLANs	4093
Datenübertragung	
Routing-/Switching-Kapazität *	320 Gbit/s
Durchgang	238,08 Mpps
MAC-Adressentabelle *	16000 Eintragungen
Store-and-Forward	✔
Wartezeit (1 Gbps)	1,274 µs
Wartezeit (10 Gbps)	0,811 µs
Anzahl Queues	8
Jumbo Frames Unterstützung	✔
Jumbo-Frames	12000
Datenpaket-Pufferspeicher	16 MB
Sicherheit	
DHCP-Funktionen	DHCP Option 82, DHCP relay, DHCP server, DHCP snooping, DHCPv6 client, DHCPv6 relay, DHCPv6 server, DHCPv6 snooping
Zugriffkontrollliste	✔
IGMP-Snooping	✔
SSH-/SSL-Unterstützung	✔

Sicherheit	
Autentifizierungstyp	RADIUS
Multicast-Funktionen	
Multicast Unterstützung	✔
IPv4 Multicast-Einträge	2000
IPv6 Multicast-Einträge	2000
Design	
Rack-Einbau *	✔
Formfaktor	1U
Produktfarbe	Schwarz
LED-Anzeigen	PoE, Leistung, Status
Leistungen	
Eingebauter Prozessor	✔
Prozessor	ARM Cortex-A9
Prozessortaktfrequenz	1250 MHz
Speicherkapazität	2048 MB
Geräuschpegel	56,7 dB
Mittlere Betriebsdauer zwischen Ausfällen (MTBF)	778769 h
Energie	
Stromverbrauch (Standardbetrieb)	47,84 W
Power over Ethernet (PoE)	
Power over Ethernet (PoE) *	✘
Betriebsbedingungen	
Betriebstemperatur	0 - 50 °C
Temperaturbereich bei Lagerung	-20 - 70 °C
Relative Luftfeuchtigkeit in Betrieb	0 - 90%
Luftfeuchtigkeit bei Lagerung	0 - 95%
Höhe bei Betrieb	0 - 3000 m
Wärmeableitung	163,33 BTU/h
Gewicht und Abmessungen	
Breite	440 mm
Tiefe	100 mm
Höhe	43,2 mm
Gewicht	1,74 kg
Logistikdaten	
Warentarifnummer (HS)	85176990

Sicherheit	
Loop Protection	✔
BPDU-Filterung/Schutz	✔
Authentifizierung	MAC-basierte Authentifizierung



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