

NETGEAR 10-Port PoE Multi-Gigabit/10G Ethernet Smart Switch (MS510TXUP)

Brand : NETGEAR

Product code: MS510TXUP-100NAS

Product name : 10-Port PoE Multi-Gigabit/10G Ethernet Smart Switch (MS510TXUP)



- Provides 4 ports 1G/2.5G and 4 ports multi-gig/10G with 2 dedicated 10 Gigabit fiber ports for WiFi 6 Access Point connectivity, IP surveillance and mobility
 - Versatile PoE support with PoE+ and Ultra60 PoE++ for today's and tomorrow's PoE needs
 - Easy-to-use web browser-based management GUI with configurable L2/L2+ network features like VLANs and QoS
 - 10G speed on regular ports and uplink connectivity to core network
 - Includes 1-year of Insight Premium or Pro subscription
 - Managed by NETGEAR Insight - ideal with other NETGEAR Insight managed devices
 - Provides an industry-leading Limited Lifetime warranty at no extra cost with product registration
- Managed, L2+, 4x 1G/2.5G, 4x 1G/2.5G/5G/10G, 2x SFP+, 8 PoE++



Management features		Design	
Switch type *	Managed	LED indicators	Activity, Fan fail, Link, PoE, Power, Speed
Switch layer	L2+	Number of fans	3 fan(s)
Quality of Service (QoS) support	✓	Certification	CE mark, commercial, FCC Part 15 class B, CE/EN55032/24, VCCI, ACMA, CSA safety, KC, BSMI
Web-based management	✓		
Cloud-managed	✓		
System event log	✓		
Ports & interfaces		Performance	
Basic switching RJ-45 Ethernet ports quantity *	8	Built-in processor	✓
Basic switching RJ-45 Ethernet ports type *	10G Ethernet (100/1000/10000)	Processor frequency	1000 MHz
SFP+ module slots quantity	2	Internal memory	256 MB
		Flash memory	64 MB
		Noise level	33 dB
		Firmware upgradeable	✓
		Mean time between failures (MTBF)	1059519 h
Network		Power	
Networking standards *	IEEE 802.1D, IEEE 802.1ab, IEEE 802.1p, IEEE 802.1s, IEEE 802.1w, IEEE 802.1x, IEEE 802.3ad, IEEE 802.3az, IEEE 802.3x	Power supply included *	✓
10G support *	✓	Power consumption (max)	380 W
Port mirroring	✓	Power over Ethernet (PoE)	
Broadcast storm control	✓	Power over Ethernet (PoE) *	✓
VLAN support	✓	Total Power over Ethernet (PoE) budget	295 W
Number of VLANs	256	Operational conditions	
Data transmission		Operating temperature (T-T)	0 - 50 °C
Switching capacity *	140 Gbit/s	Storage temperature (T-T)	-20 - 70 °C
MAC address table *	32000 entries	Operating relative humidity (H-H)	0 - 95%
Number of queues	8	Storage relative humidity (H-H)	0 - 95%
Jumbo frames support	✓	Operating altitude	0 - 3000 m
Jumbo frames	10000	Non-operating altitude	0 - 3000 m
Packet buffer memory	2 MB	Heat dissipation	1294.5888 BTU/h
Security		Weight & dimensions	
DHCP features	DHCPv6 snooping	Width	320 mm
Access Control List (ACL)	✓	Depth	206 mm
IGMP snooping	✓	Height	43 mm
Password protection	✓	Weight	2.51 kg
Queue scheduling algorithms	WRR+SP	Packaging data	
Multicast features		Cables included	AC
Multicast support	✓	Quick start guide	✓
Number of multicast groups filtered	256		

Design		Packaging data	
Rack mounting *	✓	Rack rails	✓
Product colour	Grey	User guide	✓
		Manual	✓



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