NETGEAR

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
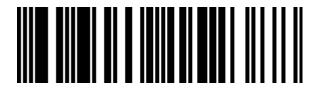- Managed by NETGEAR Insight - ideal with other NETGEAR Insight managed devices
- Provides an industry-leading Limited Lifetime warranty at no extra cost with product registration
Managed, L2+, 4x 1G/2.5G, 4x 1G/2.5G/5G/10G, 2x SFP+, 8 PoE++

Management features

Switch type *	Managed
Switch layer	L2+
Quality of Service (QoS) support	✓
Web-based management	✓
Cloud-managed	✓
System event log	✓

Ports & interfaces

Basic switching RJ-45 Ethernet ports quantity *	8
Basic switching RJ-45 Ethernet ports type *	10G Ethernet (100/1000/10000)
SFP+ module slots quantity	2

Network

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
10G support *	✓
Port mirroring	✓
Broadcast storm control	✓
VLAN support	✓
Number of VLANs	256

Data transmission

Switching capacity *	140 Gbit/s
MAC address table *	32000 entries
Number of queues	8
Jumbo frames support	✓
Jumbo frames	10000
Packet buffer memory	2 MB

Security

DHCP features	DHCPv6 snooping
Access Control List (ACL)	✓
IGMP snooping	✓
Password protection	✓
Queue scheduling algorithms	WRR+SP

Multicast features

Multicast support	✓
Number of multicast groups filtered	256

Design

LED indicators	Activity, Fan fail, Link, PoE, Power, Speed
Number of fans	3 fan(s)
Certification	CE mark, commercial, FCC Part 15 class B, CE/EN55032/24, VCCI, ACMA, CSA safety, KC, BSMI

Performance

Built-in processor	✓
Processor frequency	1000 MHz
Internal memory	256 MB
Flash memory	64 MB
Noise level	33 dB
Firmware upgradeable	✓
Mean time between failures (MTBF)	1059519 h

Power

Power supply included *	✓
Power consumption (max)	380 W

Power over Ethernet (PoE)

Power over Ethernet (PoE) *	✓
Total Power over Ethernet (PoE) budget	295 W

Operational conditions

Operating temperature (T-T)	0 - 50 °C
Storage temperature (T-T)	-20 - 70 °C
Operating relative humidity (H-H)	0 - 95%
Storage relative humidity (H-H)	0 - 95%
Operating altitude	0 - 3000 m
Non-operating altitude	0 - 3000 m
Heat dissipation	1294.5888 BTU/h

Weight & dimensions

Width	320 mm
Depth	206 mm
Height	43 mm
Weight	2.51 kg

Packaging data

Cables included	AC
Quick start guide	✓

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

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