

## NETGEAR Plus XS512EM(XS512EM-100EUS)

NETGEAR Plus XS512EM - Switch - smart - 10 x 100/1000/2.5G/5G/10GBase-T + 2 x combo 10 Gigabit SFP+ - desktop,rack-mountable



With the growth of virtualization, flash storage, 4K videos, video streaming and IP surveillance, SMB networks need to extend beyond 1 Gigabit barrier. The 10-Gigabit/Multi-Gigabit Plus series from NETGEAR presents the right solution for this requirement; delivering unprecedented 10-Gigabit/Multi-Gigabit bandwidth at an affordable cost. Each port automatically detects which speed is needed by the connected device and provides the adequate speed. As opposed to regular 10-Gigabit switches that will only provide 1-Gigabit connectivity to any device that require less than 10-Gigabit, the XS512EM gives the exact speed required, no downgrade. Also, the NETGEAR Multi-speed switch ports can be connected with regular Cat5E Ethernet cables, without the need to upgrade to Cat6/Cat6A wiring, therefore reducing wiring costs and hassle

### Key Selling Points

- 2-port SFP+ for fiber uplinks
- Rack-mount or desktop
- Internal power supply to eliminate power brick
- Active fans for whisper quiet operation
- 50°C maximum operating temperature
- Compact small form factor

### Main Specifications

Product Description	NETGEAR Plus XS512EM - switch - 12 ports - smart - rack-mountable
Device Type	Switch - 12 ports - smart
Enclosure Type	Rack-mountable 1U
Subtype	10 Gigabit Ethernet
Ports	10 x 100/1000/2.5G/5G/10GBase-T + 2 x combo 10 Gigabit SFP+
Performance	Fabric throughput: 240 Gbps   Forwarding performance (64-byte packet size): 178.6 Mpps
Capacity	Priority queues: 8   IGMP multicast groups: 128
MAC Address Table Size	32K entries
Jumbo Frame Support	9000 bytes
Routing Protocol	IGMPv2, IGMP, IGMPv3
Remote Management Protocol	HTTP, TFTP
Features	VLAN support, IGMP snooping, DoS attack prevention, port mirroring, store and forward, Broadcast Storm Control, half duplex mode, full duplex mode, Multicast Storm Control, Unicast Storm Control, firmware upgradable, Quality of Service (QoS), Link Aggregation Control Protocol (LACP), DHCP client, Energy Efficient Ethernet, loop prevention, Multicast filtering function, Class of Service (CoS), Type of Service (ToS), DiffServ Code Point (DSCP) support, 2 fans, 3MB packet buffer, cable test, administrator's password, Weighted Round Robin (WRR), VLAN Tagging, port trunking
Compliant Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3z, IEEE 802.1Q, IEEE 802.3ab, IEEE 802.1p, IEEE 802.3x, IEEE 802.3ad (LACP), IEEE 802.3ae, IEEE 802.3an, IEEE 802.3az, IEEE 802.3bz
Power	AC 120/230 V (50 - 60 Hz)
Dimensions (WxDxH)	32.8 cm x 20.4 cm x 4.3 cm
Weight	2.51 kg
Localisation	Europe
Manufacturer Warranty	Limited lifetime warranty

### Extended Specification

## General

Device Type	Switch - 12 ports - smart
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Status Indicators	Power,link/activity/speed

## Expansion / Connectivity

Interfaces	12 x 100/1000/2.5G/5G/10GBase-T RJ-45 2 x 10GBase-X SFP+
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## Power

Power Device	Internal power supply
Voltage Required	AC 120/230 V (50 - 60 Hz)
Power Consumption Operational	76.56 Watt

## Miscellaneous

Rack Mounting Kit	Included
MTBF	1,113,477 hours
Compliant Standards	UL 60950-1,KC,CNS 13438,EN 55024:2010,FCC CFR47 Part 15 B Class A,EN 55032:2012+AC:2013 Class A,CNS 14336-1,ANSI C63.4-2014,AS/NZS 60950-1:2015,ICES-003:2016 issue 6 Class A,EN 61000-3-2:2014 Class A,CAN/CSA-C22.2 No. 60960-1-07,AS/NZS CISPR32:2013 Class A,EN 6100-3-3:2013,IEC 60950-1:2005 (ed.2)+A1:2009+A2:2013,VCCI-CISPR 32:2016,EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013
Localisation	Europe

## Dimensions & Weight

Width	32.8 cm
Depth	20.4 cm

Height	4.3 cm
Weight	2.51 kg

### Manufacturer Warranty

Service &Support	Limited warranty - lifetime
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### Environmental Parameters

Min Operating Temperature	0 °C
Max Operating Temperature	50 °C
Humidity Range Operating	90% (non-condensing)
Min Storage Temperature	-20 °C
Max Storage Temperature	70 °C
Humidity Range Storage	95% (non-condensing)

### What's in the box

NETGEAR ProSafe Plus XS512EM  
Rack mounting kit

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