



DESCRIPTION

Unlock your Network Potential with 10-Gigabit/Multi-Gigabit 5-Speed Networking Switches

Revolutionary 5-speed 10-Gigabit/Multi-Gigabit technology built in the NETGEAR multi-speed switches allows your devices to speed past the Gigabit barrier.

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 Smart Managed 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 and XS724EM gives the exact speed required, no downgrade. Also, the new 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

TECHNICAL CHARACTERISTICS

Brand : NETGEAR
Part number : XS512EM-100EUS
Design :
Certification : 47 CFR FCC, ICES-003:2016, ANSI C63.4:2014, EN55032:2012+AC:2013, EN 55024:2010, EN 61000-3-2:2014, EN 6100-3-3:2013, AS/NZS CISPR 32:2013, VCCI-CISPR32:2016, CNS 13438, IEC 60950-1:2005(ed.2) + A1:2009 + A2:2013, UL 60950-1, EN 60950-1: 2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013, IEC 60950-1:2005 (ed.2)+A1:2009+A2:2013, AS/NZS 60950.1:2015 CNS14336-1
10G support : Y
AC input frequency : 50 - 60 Hz
AC input voltage : 100 - 240 V
Basic switching RJ-45 Ethernet ports quantity : 12
Basic switching RJ-45 Ethernet ports type : 10G Ethernet (100/1000/10000)
Broadcast storm control : Y
Depth : 204 mm
DHCP features : DHCP client
Form factor : 1U
Harmonized System (HS) code : 85176990

Heat dissipation : 261.38 BTU/h
Height : 43 mm
IGMP snooping : Y
Input current : 2 A
Jumbo frames : 9000
Jumbo frames support : Y
LED indicators : Y
MAC address filtering : Y
MAC address table : 32000 entries
Mean time between failures (MTBF) : 1113477 h
Networking standards : IEEE 802.1Q, IEEE 802.1p, IEEE 802.3, IEEE 802.3ab, IEEE 802.3ae, IEEE 802.3an, IEEE 802.3az, IEEE 802.3bz, IEEE 802.3u, IEEE 802.3x, IEEE 802.3z
Number of fans : 2 fan(s)
Number of VLANs : 64
Operating relative humidity (H-H) : 0 - 90%
Operating temperature (T-T) : 0 - 50 °C
Packet buffer memory : 3 MB
Power connector : DC-in jack
Power over Ethernet (PoE) : N
Product colour : Blue, Grey
Quality of Service (QoS) support : Y
Rack mounting : Y
SFP+ module slots quantity : 2
Storage relative humidity (H-H) : 0 - 95%
Storage temperature (T-T) : -20 - 70 °C
Store-and-forward : Y
Sustainability certificates : ENERGY STAR
Switch layer : L2
Switch type : Managed
Switching capacity : 240 Gbit/s
Virtual LAN features : Port-based VLAN
VLAN support : Y
Weight : 2.51 kg
Width : 328 mm