



Industry's first 10-Gigabit Smart Managed Switches, Purposely Designed for SMB with Cost-Effective 10GBase-T Connectivity and Advanced L2+/Layer 3 Lite Features

As a leading provider of network equipment for SMBs, NETGEAR® understands the importance of a reliable and high performance network to SMB customers. With the growth of virtualization, cloud-based services and applications like VoIP, video streaming and IP surveillance, SMB networks need to extend beyond simple reliability to higher speed and performance. The 10-Gigabit Smart Managed Switch series from NETGEAR presents the right solution for this requirement, delivering unprecedented non-blocking 10-Gigabit bandwidth at an affordable cost.

The NETGEAR ProSAFE® XS712T and ProSAFE XS728T are powerful Smart Managed Switches that come with either 12 or 24 10-Gigabit Copper ports and either 2 Combo SFP+ (XS712T) or 4 additional Dedicated SFP+ ports (XS728T) for 10G Fiber links. The NETGEAR 10-Gigabit Smart Managed Switches are purposely designed as a cost-effective way to provide 10G connections to 10G-capable servers and NAS (Network Attached Storage) systems. They can be used at the "center of a small business network" or as an aggregation/access switch in a larger organization including workgroup access, connecting to a 10-Gigabit NETGEAR ProSAFE M7100/M7300 Fully Managed Switch on one end and extending the 10G connections to the edge.

Highlights

Both the XS712T and XS728T Smart Managed Switches provide comprehensive L2+/Layer 3 Lite features in order to meet our customers' current and future needs on virtualization, converged network and mobility. Some of the main features include:

- Advanced VLAN features such as Protocol-based VLAN, MAC-based (Media Access Control) VLAN and 802.1x Guest VLAN
- Advanced QoS (Quality of Service) with L2/L3/L4 awareness and 8 priority queues including Q-in-Q
- Static Routing (including IPv6 on XS728T)
- Private VLAN
- Dynamic VLAN assignment
- IGMP and MLD snooping
- Advanced Security
- IPv6 for management, QoS and ACL

10-Gigabit Transition with Base-T

- 10GBase-T, like other Base-T technologies, uses the standard RJ-45 Ethernet jack
- It is backward compatible, auto-negotiating between higher and lower speeds – thereby not forcing an all at once network equipment upgrade
- CAT5/CAT5E are supported for Gigabit speeds up to 100 meters

- CAT6 twisted pair copper cabling supports 10-Gigabit speeds up to 45 meters
- CAT6A or newer CAT7 cabling will allow for up to 100 meter 10GBase-T connections

Designed as Core Switch for SMB Network

- 10G connection to 10G-capable servers and network storage
- Powerful L2+/Layer 3 Lite features make them the most cost-effective core switches for SMB and virtualization environment
- Future-proof your network with 10G bandwidth, advanced traffic management and comprehensive IPv6 Support
- Static routing helps to route internal traffic for more efficient use of network resources
- IGMP and MLD snooping provide advanced multicast filtering

Act as Aggregation Switch for Medium Sized Networks

- 10-Gigabit switches help to resolve the congestion issue between network edge and core, which is caused by the broader adoption of Gigabit-to-the-desktop
- 10-Gigabit Ethernet provides greater scalability than multiple Gigabit Ethernet links, resulting in a simplified and highly efficient network infrastructure

- Up to eight 10-Gigabit Ethernet links can be aggregated into a virtual 80-Gbps connection
- 10-Gigabit Ethernet reduces cabling complexity and uses existing cabling efficiently

Smart IT, not Big IT

- Easy-to-use Web-based management GUI makes setup and management simple
- Standard-based technology ensures interoperability with any standard-based devices in the existing network
- Dual firmware images improve reliability and uptime to your network
- Worry-free with NETGEAR ProSAFE LIFETIME Hardware Warranty*
- Minimal down-time with NETGEAR ProSAFE LIFETIME Next-Business-Day Replacement Warranty
- Get deployment assistance with 90-days Free 24x7 Advanced Technical Phone Support**
- LIFETIME 24x7 Online Chat Technical Support



XS712T: 12-port 10-Gigabit Smart Managed Switch



XS728T: 28-port 10-Gigabit Smart Managed Switch



Hardware at a Glance

	FRONT			REAR		
Model Name	Form-Factor	100/1000/10GBase-T RJ-45 Ports	1000/10GBase-X Fiber SFP+ Ports	Storage (image, config, log files)	Power Supply	Fans
XS712T	Rackmount	12	2 combo	n/a	1 internal PSU, fixed	2 internal, fixed fans
XS728T	Rackmount	n/a	4 dedicated	1 x USB	1 internal PSU, fixed	4 internal, fixed fans

Software at a Glance

LAYER 2+ / LAYER 3 LITE FEATURES								
Management	IPv4 / IPv6 ACL and QoS	IPv4 / IPv6 Multicast filtering	Auto-VoIP, Auto-Video	EEE (802.3az) Auto-EEE	VLANs	Convergence	IPv4 Static Routing	IPv6 Static Routing
Web GUI (HTTPS), PC-Based Utility (SCC), RMON, SNMP	L2, L3, L4 Ingress	IGMP and MLD Snooping	Yes	Yes	Static, Dynamic, Voice, MAC, Protocol-based, Private VLANs	LLDP-MED, RADIUS, 802.1X	Yes (VLANs)	XS728T Only

Performance at a Glance

Model Name	Packet buffer	CPU	ACLs	MAC Address Table RP/NDP Table VLANs	Fabric	Latency	Static Routes	Multicast IGMP Group
XS712T	2Mb	600MHz 128M RAM 32MB Flash	100 ingress	32K MAC 1K ARP/NDP VLANs: 256	240Gbps line-rate	10GBase-T <6.606 µs SFP+ <2.979 µs	32 IPv4	1024
XS728T	3Mb	800GHz 512MB RAM 8MB SPI + 256MB NAND Flash	164 ingress	16K MAC 1K ARP/NDP VLANs: 512	560Gbps line-rate	10GBase-T <11.649 µs SFP+ <2.619 µs	64 IPv4 64 IPv6	512

PACKAGE CONTENT	
All Models	ProSAFE® 10-Gigabit Ethernet (10GbE) Smart Managed Switch Power cord Rack-mounting kit Rubber footpads for tabletop installation Quick install guide Resource CD with links to online documentation, installation guides, Web-management user manual, Smart Control Center (SCC) software and User's Guide.
ORDERING INFORMATION	
XS712T-100NES	North America, Latin America and Europe
XS712T-100AJS	Asia Pacific and Australia
XS712T-100PRS	China
XS728T-100NES	North America, Latin America and Europe
XS728T-100AJS	Asia Pacific and Australia
XS728T-100PRS	China

* This product comes with a limited warranty that is valid only if purchased from a NETGEAR authorized reseller, and modifications to product may void the warranty; covers hardware, fans, and internal power supplies - not software or external power supplies; see <http://www.netgear.com/about/warranty/> for details. Lifetime technical support includes basic phone support for 90 days from purchase date and lifetime online chat support when purchased from a NETGEAR authorized reseller.

** The NETGEAR OnCall 24x7 contract provides unlimited phone and email technical support for your networking product. For ProSAFE products purchased prior to 06/2014, also includes next business-day hardware replacement.

† NETGEAR #1 in Fixed Web(Smart)-Managed Worldwide Market Share according to IHS Infonetics Ethernet Switches Market Share and Forecast, 1Q15 Edition, June 2015.

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