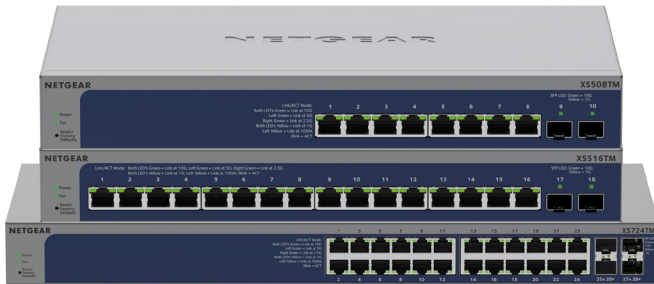


# S3600 Series 10G/Multi-Gigabit Ethernet Smart Switches



## Top-of-the-line cloud manageable Smart Switch for 10G speed connectivity

As a leading provider of network equipment, NETGEAR® Business understands the importance of providing a great choice of speed and power to support core business needs. With the growth of network speed, virtualization, and cloud-based applications like VoIP, video streaming, and IP surveillance, businesses in all sectors must keep up to ensure success. Also, the increase in speeds for access points now require faster speeds in the network.

The XS508TM, XS516TM, and XS724TM are 10G/Multi-Gigabit Ethernet Smart

Switches with 2 or 4 10G SFP+ ports that joined the NETGEAR Total Network Solution family, adding the first fully 10G series to our Insight compatible switch line. NETGEAR Pro WiFi Access Points with power adapters are perfect for use with the S3600 Series.

NETGEAR Smart Switches offer powerful L2+/Lite L3 features and enhanced performance and usability. They are purposely designed for modern applications and support BYOD which requires companies to have more bandwidth to ensure smooth network connectivity with no congestion.

Furthermore, for 2.5G or 5G speeds there is no requirement to upgrade your cabling beyond Cat5E, allowing for higher speeds without additional cabling upgrade costs.

These 10G/Multi-Gigabit Ethernet Smart Switches support NETGEAR Insight Cloud management, allowing businesses simpler configuration and deployment from anywhere using the NETGEAR Insight app from mobile devices or the Insight Cloud portal from any device with a web browser.

## Highlights

Temperature- and load-based fan-speed control combines accurate monitoring with minimized acoustic noise which is ideal for office environments. The S3600 Series operates quietly with a maximum of 29.61 dBA even at full power and 25° C (77° F) ambient.

### More Powerful Switch with 10G/Multi-Gigabit Speed

- 8 x, 16 x or 24 x 10G/Multi-Gigabit Ethernet ports
- 2 x Dedicated 10G SFP+ fiber ports (XS508TM & XS516TM), 4 x Dedicated 10G SFP+ fiber ports (XS724TM)

### Fast and flexible solution for data, voice and video converged network

- Non-blocking switching with 200Gbps bandwidth (XS508TM), 360Gbps bandwidth (XS516TM) and 560Gbps bandwidth (XS724TM)
- Flexible wall-mounting and rackmounting option

## S3600 Series 10G/Multi-Gigabit Ethernet Smart Switches

### Highlights

#### Ideal companion to your NETGEAR Pro WiFi Access Point

#### Powerful Connectivity and Security

- Advanced VLAN support for better network segmentation
- L2/L3/L4 access control lists (ACLs) for granular network access control including 802.1x port authentication
- Advanced QoS (Quality of Service) for traffic prioritization including port-based, 802.1p and L2/L3/L4 DSCP-based
- Auto DoS (Denial of Service) prevention
- IGMP Snooping and Querier for multicast optimization
- Egress Rate limiting and priority queuing for better bandwidth allocation
- Port mirroring for network monitoring
- Energy Efficient Ethernet (IEEE 802.3az) for maximum power savings
- IPv6 management: IPv6 QoS, IPv6 ACL, IPv6 Multicast, and static and dynamic IPv6 address assignment
- Cable test to troubleshoot connection issues
- Easy-to-use Web browser-based management GUI available in English, German and Japanese
- SNMP v1, v2c, v3 and RMON remote monitoring
- Advanced L3 features including IPv4/IPv6 static routing, VLAN routing, DHCP client/snooping/server/relay.

#### Fully-integrated Cloud-manageable Device

- Optional NETGEAR Insight Remote/Cloud management. Easily activated through the local device GUI.

#### Smart IT, not Big IT

- Scripting and management via direct text command using Lite Command Line Interface (CLI).
- NETGEAR Device Tool (NDT) to discover, register and access the local browser interface to configure the switches

#### NETGEAR Quality and Reliability

- Worry-free Limited Lifetime Warranty\*, online technical chat support and Next Business Day (NBD) replacement.



## S3600 Series 10G/Multi-Gigabit Ethernet Smart Switches

### Hardware-at-a-Glance

FRONT				REAR	SIDE
Model Name	Form-Factor	10G/5G/2.5G/1G 1000BASE-T RJ-45 Copper Ports	10G SFP+ Uplink	Power Supply	Fans
XS508TM	Desktop, wall mount and rack mount	8	2	1 internal PSU, fixed	2 internal fans, fixed
XS516TM	Desktop, wall mount and rack mount	16	2	1 internal PSU, fixed	3 internal fans, fixed
XS724TM	Desktop and rack mount	24	4	1 internal PSU, fixed	3 internal fans, fixed

### Software-at-a-Glance

LAYER 2+ / LAYER 3 LITE FEATURES							
Management	IPv4/IPv6 ACL and QoS	IPv4/IPv6 Multicast Filtering	VLANs	IEEE (802.3az) Energy Efficient Ethernet	DHCP Services	Convergence	Link Aggregation
Web Browser-based GUI (HTTP/HTTPS), RMON, SNMP, NETGEAR Insight Cloud management via mobile app and Insight portal	L2, L3, L4 Ingress	IGMP Snooping, Querier	Static, Dynamic, VoIP, Voice, WiFi, Camera	Yes	Client, Snooping, Relay, Server	LLDP-MED, RADIUS, 802.1X	LACP and Manual Static LAGs (up to 8 LAGs with max 8 members in each LAG)

### Performance-at-a-Glance

Model Name	Packet Buffer	CPU	ACL	MAC Address Table ARP Table VLANs	Fabric	Latency (64-Byte Packet)	Multicast IGMP Group
XS508TM	2 MB	600 MHz Single Core 1GB RAM 256MB SPI FLASH	100 shared (ingress)	16K Max MAC 512 VLANs	200Gbps line-rate	1G Copper:< 2.64µsec 2.5G Copper:<5.66µsec 10G Copper:<2.45µsec 1G SFP:<1.27µsec 10G SFP+ Fiber:<0.84µsec	512
XS516TM	4 MB	1.25 GHz Single Core 1GB RAM 256MB SPI FLASH	100 shared (ingress)	16K Max MAC 512 VLANs	360Gbps line-rate	1G Copper:< 2.17µsec 2.5G Copper:<5.38µsec 10G Copper:<2.26µsec 1G SFP:<1.18µsec 10G SFP+ Fiber:<0.69µsec	512
XS724TM	4 MB	1.25 GHz Single Core 1GB RAM 256MB SPI FLASH	100 shared (ingress)	16K Max MAC 512 VLANs	560Gbps line-rate	1G Copper:< 2.08µsec 2.5G Copper:<5.35µsec 10G Copper:<2.30µsec 1G SFP:<1.20µsec 10G SFP+ Fiber:<0.65µsec	512

# S3600 Series

## 10G/Multi-Gigabit Ethernet Smart Switches

### Features and Benefits

Hardware Features	
Fully-integrated Cloud-manageable Devices	Requires no additional hardware (cloud keys, network portals, local servers, VPN or proxy appliances etc) to directly connect to the cloud and allow remote management. No additional hardware or software. Just switch to Insight Cloud Management mode through Web browser-based user interface and go.
10G/Multi-Gigabit BASE T Copper Ethernet	Support high-density VoIP, Surveillance and Wi-Fi AP deployments, scalable for future growth.
10G 1000BASE-X SFP ports	Two or four dedicated 10G SFP+ ports for aggregation to the network core. Support for Fiber and Copper modules.
Low Acoustics	Temperature- and load-based fan-speed control allow for quiet operation in both desktop, wall mount or rack mount configuration.
Energy Efficient Ethernet (IEEE 802.3az)	Maximum power reduction for ongoing operation cost savings.
Desktop, wall mount and rack mount (kit available)	Flexible deployment on desktop and also supports wall mounting and rack mounting.
Ideal companion to your Pro WiFi access points	Connect and manage all Pro WiFi access points from a single dashboard with NETGEAR Insight Remote Cloud Management.
Software Features	
Remote setup, management, and monitoring anywhere, anytime, from your mobile device, PC, Mac, or tablet	Locally or remotely setup, configure, manage, monitor and even troubleshoot your network from anywhere, anytime. Check network status, view dashboards for network health and activity, update firmware remotely, and more. No need to be on-site, open up ports to your network, or VPN into it.
Auto-join and Configure (Zero-Touch Provisioning)	Additional Insight managed devices added to the network automatically inherit settings and configuration.
Multi-site, Multi-network Single Pane-of-Glass View	View and configure multiple networks across multiple sites, all from one single app; NETGEAR Insight.
Comprehensive IPv6 Support for Management, ACLs and QoS	Build current network with the future in mind. Ensure investment protection and a smooth migration to an IPv6-based network without switch replacement.
Robust security features: <ul style="list-style-type: none"> <li>• 802.1x authentication (EAP)</li> <li>• Port-based security by locked MAC</li> </ul>	Build a secured, converged network with all types of traffic by preventing external attacks and blocking malware while allowing secure access for authorized users.
Comprehensive QoS features: <ul style="list-style-type: none"> <li>• Port-based or VLAN 802.1p-based prioritization</li> <li>• Layer 3-based (DSCP) prioritization</li> <li>• Port-based egress rate limiting</li> </ul>	Advanced controls for optimized network performance and better delivery of mission-critical traffic such as voice and video.
Auto-VoIP, Auto-Voice VLAN	Automatic Voice over IP prioritization (Auto-VoIP) simplifies most complex multi-vendor IP telephone deployments either based on OUI bytes (default database and user-based OUIs) in the phone source MAC address, providing the best class of service to VoIP streams (both data and signaling) over other ordinary traffic by classifying traffic, and enabling correct egress queue configuration.

## S3600 Series 10G/Multi-Gigabit Ethernet Smart Switches

Software Features (continued)	
Auto-WiFi, Auto-Camera VLAN	Auto-WiFi VLAN and Auto-Camera VLAN allows the switch to forward packets with the entered OUIs of Wireless APs and cameras in a special VLAN with priority settings of that VLAN automatically.
IGMP Snooping	Facilitate fast receiver joins and leaves for multicast streams. Save cost and improve network efficiency by ensuring multicast traffic only reaches designated receivers without the need of an extra multicast router.
Protected Ports	Ensure no exchange of unicast, broadcast, or multicast traffic between the protected ports on the switch, thereby improving the security of your converged network. This allows your sensitive phone conversations to stay private and your surveillance video clips can be forwarded to their designated storage device without leakage or alteration.
DHCP Snooping	Ensure IP address allocation integrity by only allowing DHCP messages from trusted DHCP servers and dropping malformed DHCP messages with a port or MAC address mismatch.
Dynamic VLAN Assignment (RADIUS)	IP phones and PCs can authenticate on the same port but under different VLAN assignment policies. Users are free to move around and enjoy the same level of network access regardless of their physical location on the network.
Link Aggregation (LACP)	Build up bigger bandwidth to support aggregated uplink/downlink traffic or to provide redundant link(s). Aggregate up to 8 ports for 8Gbps connections.
Loop Prevention and Auto-DoS Prevention	Detect and prevent accidental network loops while protecting against DoS attacks through auto port shutdown.
Port Mirroring and Cable Test	Many-to-one port mirroring for better and quicker network diagnostics and troubleshooting. Cable test easily identifies bad Ethernet cables.
Dual Firmware Images	Dual firmware images for transparent firmware updates with minimum service interruption.
Firmware Updates from Cloud	Direct cloud-to-device firmware updates, initiated and/or scheduled using the Insight app, or Insight Cloud Portal, anytime, anywhere.

**NETGEAR®**  
INSIGHT

Simply activate NETGEAR Insight Cloud management to manage your network. Anytime. Anywhere.

Activating NETGEAR Insight Cloud management enables users to experience simpler configuration and deployment from anywhere using the NETGEAR Insight app from mobile devices or the Insight Cloud portal from any device with a web browser.

Unique advanced management features of these Insight managed devices include:

- Remote monitoring and management with performance dashboards and troubleshooting features including remote reboot, port and PoE advanced configuration including remote enable/disable/power-cycle, PoE scheduling, and firmware updates with auto-schedule mode
- Single pane-of-glass multi-device, multi-network, and multi-site remote monitoring and notifications with the NETGEAR Insight app
- Full-fledged local or remote access for configuration, management, and monitoring on a larger display using your tablet, laptop, or desktop computer through the NETGEAR Insight Cloud portal
- Configurable in-app and email alerts and notifications
- Auto-join and configure (zero-touch provisioning) for additional Insight managed devices added to the network
- Centralized network configuration (policies) across Insight managed switches, and access points for VLANs, ACLs, QoS, LAGs, etc.
- Cloud-based network administration, monitoring, and firmware management

For more information about NETGEAR Insight-manageable device settings, please see at:  
<https://www.netgear.com/support/product/Insight.aspx>



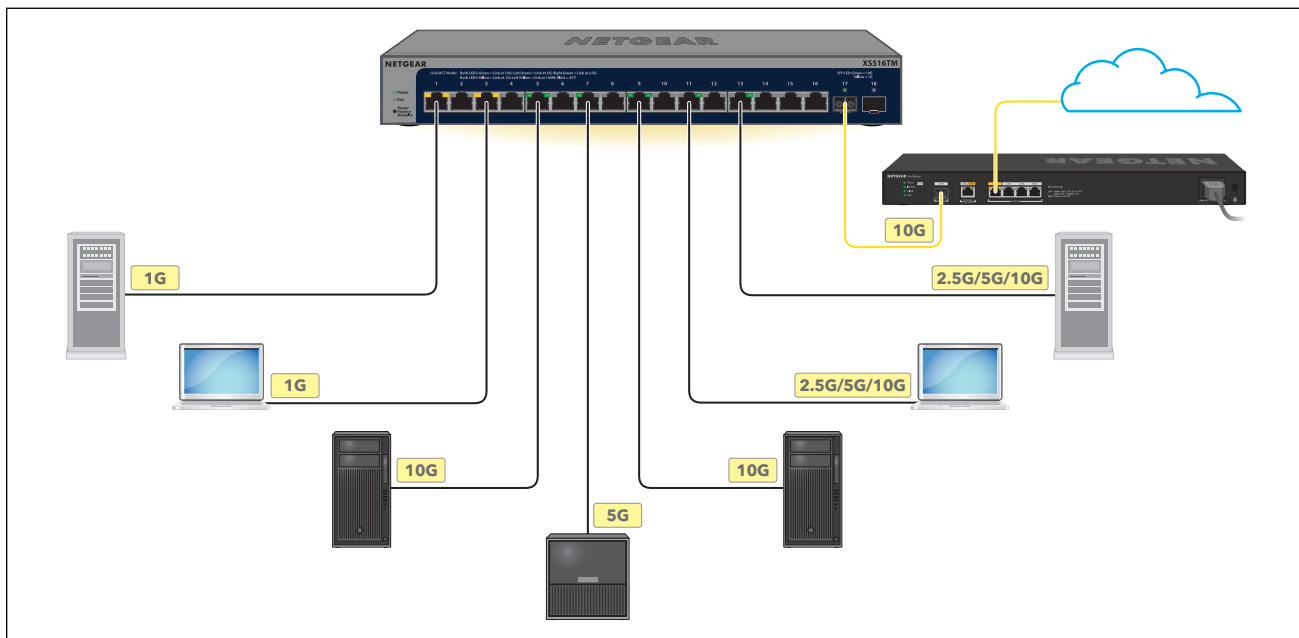
As a part of NETGEAR's Total Network Solution, this product is compatible with a wide range of routers, access points and switches that can be remotely managed through the Insight Remote Cloud Management platform.

Find out more: [www.netgear.com/total](http://www.netgear.com/total)

S3600 Series  
10G/Multi-Gigabit Ethernet Smart Switches

## Application Sample

Get Multi-Gigabit and 10G Speed that your business deserves



XS516TM Sample Connection Diagram

# S3600 Series

## 10G/Multi-Gigabit Ethernet Smart Switches

### Technical Specifications

Technical Specifications	XS508TM	XS516TM	XS724TM
10G/Multi-Gigabit Ethernet RJ-45 Copper ports (10G/5G/2.5G/1G) - 1000BASE-T	8	16	24
10G SFP+ (fiber) ports (1G/10G) - 1000BASE-X	2 (dedicated)		4 (dedicated)
Power Supply	Internal Power Supply		
LEDs			
Front (per device)	Power (with Cloud Mode Indicator), Fan		
Front (per port)	Speed/Link/Activity		
Unified Network Management (Discovery, Setup, Monitoring, and Management) through NETGEAR Insight Cloud Management			
Discovery, setup, monitoring and management	NETGEAR Insight mobile app on phone or tablet; Insight Cloud portal from PC, Mac, or tablet web browser		
Remote/Cloud management	Anywhere, anytime, from the palm of your hand using Insight mobile app or from any PC, Mac, or tablet web browser using the Insight Cloud portal		
Centralized network configuration (policies)	Centralized network configuration (policies) across Insight managed switches, and wireless access points for VLANs, ACLs, QoS, and LAGs		
Device auto-join and configure (zero-touch provisioning)	Additional Insight managed devices added to the network automatically inherit the network configuration		
Multi-site, multi-network single pane-of-glass view	Manage multiple sites, locations, and networks in a single view using the Insight mobile app or Insight Cloud portal		
Multi-switch, multi-port concurrent configuration for ACLs, VLANs, QoS, etc	Apply settings and policies on multiple ports across multiple switches all at the same time using the Port Config Wizard		
Performance Specifications			
CPU	600 MHz Single Core 1GB RAM 256MB SPI FLASH	1.25 GHz Single Core 1GB RAM 256MB SPI FLASH	1.25 GHz Single Core 1GB RAM 256MB SPI FLASH
Packet buffer memory (Dynamically shared across only used ports)	2MB	4MB	4MB
Forwarding modes	Store-and-forward		
Bandwidth (non-blocking, full duplex)	200Gbps	360Gbps	560Gbps
Priority queues	8		
Priority queuing	Weighted Round Robin (WRR) and Strict Priority		
MAC Address database size (48-bit MAC addresses)	16K		
Multicast groups	512		
Number of VLANs	512		
Number of DHCP snooping bindings	8k		
Access Control Lists (ACLs)	100 shared for MAC, IP and IPv6 ACLs (ingress)		



## S3600 Series

### 10G/Multi-Gigabit Ethernet Smart Switches

Performance Specifications	XS508TM	XS516TM	XS724TM
Packet forwarding rate (64 byte packet size) (Mfps or Mpps)	148.8	267.8	416.6
1G Copper standard latency (µsec) (64-byte; 1518-byte; 9216-byte frames)	64-byte: 2.64µsec 1518-byte: 2.60µsec 9216-byte: 2.59µsec	64-byte: 2.12µsec 1518-byte: 2.14µsec 9216-byte: 2.13µsec	64-byte: 2.08µsec 1518-byte: 2.108µsec 9216-byte: 1.97µsec
2.5G Copper standard latency (µsec) (64-byte; 1518-byte; 9216-byte frames)	64-byte: 5.66µsec 1518-byte: 5.65µsec 9216-byte: 5.65µsec	64-byte: 5.38µsec 1518-byte: 5.39µsec 9216-byte: 5.40µsec	64-byte: 5.35µsec 1518-byte: 5.38µsec 9216-byte: 5.38µsec
10G Copper standard latency (µsec) (64-byte; 1518-byte; 9216-byte frames)	64-byte: 2.45µsec 1518-byte: 2.43µsec 9216-byte: 2.43µsec	64-byte: 2.62µsec 1518-byte: 2.28µsec 9216-byte: 2.28µsec	64-byte: 2.30µsec 1518-byte: 2.25µsec 9216-byte: 2.25µsec
1G SFP Fiber latency (µsec) (64-byte; 1518-byte; 9216-byte frames)	64-byte: 1.27µsec 1518-byte: 1.27µsec 9216-byte: 0.82µsec	64-byte: 1.18µsec 1518-byte: 1.19µsec 9216-byte: 0.71µsec	64-byte: 1.20µsec 1518-byte: 1.22µsec 9216-byte: 1.19µsec
10G SFP+ Fiber latency (µsec) (64-byte; 1518-byte; 9216-byte frames)	64-byte: 0.84µsec 1518-byte: 0.82µsec 9216-byte: 0.82µsec	64-byte: 0.90µsec 1518-byte: 0.89µsec 9216-byte: 0.89µsec	64-byte: 2.02µsec 1518-byte: 2.04µsec 9216-byte: 2.02µsec
Jumbo frame support	Up to 9K packet size		
Acoustic noise level @ 25° C (dBA) (ANSI-S10.12)	28.63 dBA	27.35 dBA	29.61 dBA
Mean Time Between Failures (MTBF) @ 25° C	818,977.9 hours (93.5 years)	506,741.9 hours (57.8 years)	408,354.7 hrs (46.6 years)
L2 Services - VLANs			
IEEE 802.1Q VLAN tagging	Yes		
MAC-based VLANs	Yes		
Protocol-based VLAN	Yes		
Auto-VoIP VLAN / Auto-Voice VLAN	Yes, based on OUI bytes (default database and user-based OUIs) in the phone source MAC address		
Auto-VoIP	Yes, based on protocols (SIP). Prioritizes traffic to a higher queue		
Voice VLAN	Yes, based on either VLAN ID or 802.1p priority, packets are passed onto the connecting VoIP phone using LLDP-MED		
Auto-Video VLAN	Yes		
Auto-Camera VLAN	Yes		
Auto-WiFi VLAN	Yes		
GARP with GVRP	Yes		
Private VLAN	Yes		
L2+/Lite L3 Services - Availability			
Broadcast, multicast, unknown unicast storm control	Yes		
IEEE 802.3ad - LAGs (LACP)	Yes		
IEEE 802.3x (full duplex and flow control)	Yes		

## S3600 Series

### 10G/Multi-Gigabit Ethernet Smart Switches

<b>L2+/Lite L3 Services - Availability</b>	<b>XS508TM</b>	<b>XS516TM</b>	<b>XS724TM</b>
IEEE 802.1D Spanning Tree Protocol		Yes	
IEEE 802.1w Rapid Spanning Tree Protocol		Yes	
IEEE 802.1s Multiple Spanning Tree Protocol		Yes	
<b>L2+/Lite L3 Services - Multicast Filtering</b>			
IGMP snooping (v1, v2 and v3)		Yes	
MLD snooping support (v1 and v2)		Yes	
IGMP snooping querier		Yes	
MLD snooping querier (v1)		Yes	
Multicast groups		512	
Multicast VLAN Registration (MVR)		Yes	
<b>L3 Services - Routing</b>			
DHCP client		Yes	
DHCP snooping		Yes	
Number of DHCP snooping bindings		256	
IPv4 static routing		64	
IPv6 static routing		32	
VLAN routing		Yes	
Host ARP table (number of entries)		1024 ARP	
ICMP Router Discovery Protocol (IRDP)		Yes	
Number of IP VLAN interfaces (routed VLANs)		15	
<b>DHCP Services</b>			
DHCP client		Yes	
DHCP snooping		Yes	
Number of DHCP snooping bindings		8k	
DHCP Server		Yes	
DHCP Relay		Yes	
DHCP IPv6 Server		Yes	
DHCP IPv6 Relay		Yes	
<b>Link Aggregation</b>			
IEEE 802.3ad - LAGs (LACP)		Yes	
Manual Static LAG		Yes	
# of LACP or Static LAGs	8 LAGs with max 8 members in each LAG		
# of members in each LAG			

# S3600 Series

## 10G/Multi-Gigabit Ethernet Smart Switches

Network Monitoring and Discovery Services	XS508TM	XS516TM	XS724TM
802.1ab LLDP		Yes	
LLDP-MED		Yes	
SNMP		Yes, v1/v2c/v3	
RMON group 1, 2, 3, 9		Yes	
<b>Network Security</b>			
IEEE 802.1x		Yes	
Guest VLAN		Yes	
RADIUS-based VLAN assignment via .1x		Yes	
MAC-based .1x		Yes	
RADIUS accounting		Yes	
Access Control Lists (ACLs)		L2 / L3 / L4	
IP-based ACLs (IPv4 and IPv6)		Yes	
MAC-based ACLs		Yes	
TCP/UDP-based ACLs		Yes	
MAC lockdown		Yes	
MAC lockdown by the number of MACs		Yes	
Control MAC # Dynamic learned entries (per port)		4096	
Control MAC # static entries		48	
IEEE 802.1x RADIUS port access authentication/type		Yes	
Port-based security by locked MAC addresses		Yes	
Broadcast, multicast, unknown unicast storm control		Yes	
DoS attacks prevention		Yes	
Dynamic ARP inspection		Yes	
Protected ports		Yes	
<b>Quality of Service</b>			
Port-based rate limiting		Yes, ingress and egress	
Port-based QoS		Yes	
Support for IPv6 fields		Yes	
DiffServ QoS		Yes, ingress	
IEEE 802.1p COS		Yes	
Destination MAC and IP		Yes	
IPv4 and v6 DSCP		Yes	
IPv4 and IPv6 ToS		Yes	
TCP/UDP-based		Yes	
Weighted Round Robin (WRR)		Yes	

## S3600 Series

### 10G/Multi-Gigabit Ethernet Smart Switches

Quality of Service	XS508TM	XS516TM	XS724TM
Strict priority queue technology		Yes	
Auto-VoIP VLAN / Auto-Voice VLAN	Yes, manual or automatic assignment of VoIP phone traffic based on OUI bytes (default database and user-based OUIs) in the phone source MAC address to Voice VLAN associated with high priority QoS parameters		
Other Features			
Loop detection & prevention		Yes	
DNS Client		Yes	
Option to enable/disable BPDU flooding when STP is disabled		Yes	
Option to enable/disable the flooding of EAPOL when 802.1x is disabled		Yes	
Management, Monitoring & Troubleshooting			
Cloud/Remote management		Yes	
Insight mobile app & Insight Cloud Portal management		Yes	
uPnP Discovery		Yes, activated by default	
Networking monitoring		Yes	
Data/performance logs		Yes	
Centralized network configuration/policies (network-centric management)		Yes	
Device auto-join and configure (zero-touch provisioning)		Yes	
Multi-site, multi-network single pane-of-glass view		Yes	
Multi-switch, multi-port concurrent configuration		Yes	
Network/global password (for all Insight Managed devices on a network)	Yes (per network/subnet via NETGEAR Insight mobile app and Insight Cloud portal)		
Password management		Yes	
IP Access List		Yes	
Configurable management VLAN		Yes	
Admin access control via RADIUS and TACACS+		Yes	
IPv6 management		Yes	
SNTP client over UDP port 123		Yes	
Firmware upgrade direct from Cloud (via mobile device or Insight Cloud Portal)		Yes	
SNMP v1/v2c		Yes	
SNMP v3 with multiple IP addresses		Yes	
RMON group 1, 2, 3, 9		Yes	
Port mirroring		Yes	
Many-to-one port mirroring		Yes	
Cable test utility		Yes	
Ping and tracerout client		Yes	

# S3600 Series

## 10G/Multi-Gigabit Ethernet Smart Switches

Management, Monitoring & Troubleshooting	XS508TM	XS516TM	XS724TM
Web browser-based graphical user interface (GUI)		Yes	
HTTPS/TLS Web-based access (version)		Yes (v1.2)	
HTTP firmware upload/download		Yes	
File transfers (uploads, downloads)		TFTP / HTTP	
Dual software (firmware) image		Yes	
Memory and flash log		Yes	
Syslog (Server)		Yes	
Power Consumption			
Max power (worst case, all ports used, line-rate traffic) (Watts)	32.7W	64.8W	92.5W
Min power (link-down standby) (Watts)	12.7W	27.2W	33.9W
Heat Dissipation (BTU/hr)	Max: 111.69 BTU/hr Min: 43.358 BTU/hr	Max: 221.3 BTU/hr Min: 92.9 BTU/hr	Max: 315.66 BTU/hr Min: 115.8 BTU/hr
Energy Efficient Ethernet (EEE) IEEE 802.3az	Yes (deactivated by default)		
Auto power down	Yes		
Fan(s) (temperature- and load-based speed control)	2	3	3
Physical Specifications			
Dimensions (W x D x H)	330 x 206 x 43.2 mm (13 x 8.12 x 1.7 in)	330 x 206 x 43.2 mm (13 x 8.12 x 1.7 in)	40 x 204 x 43.2 mm (17.3 x 8.03 x 1.7 in)
Weight	2.2kg (4.85lb)	2.45kg (5.4lb)	3.38kg (7.45 lb)
Mounting options	Desktop Wall mount Rack mount	Desktop Wall mount Rack mount	Desktop Rack mount
Environmental Specifications			
Operating			
Operating Temperature	0° to 50°C (32° to 122°F)		
Humidity	95% maximum relative humidity (RH), non-condensing		
Altitude	10,000 ft (3,000 m) maximum		
Storage			
Storage Temperature	-20° to 70°C (- 4° to 158°F)		
Humidity (relative)	95% maximum relative humidity (RH), non-condensing		
Altitude	10,000 ft (3,000 m) maximum		
Warranty and Support			
Hardware Limited Warranty	Limited Lifetime*		
Next-Business-Day (NBD) Replacement	Limited Lifetime*		
Technical support via phone	90 days free from date of purchase*		
ProSUPPORT OnCall 24x7 Service Packs**	Category 2	Category 2	Category 3
	PMB0312-10000S	PMB0312-10000S	PMB0313-10000S
	PMB0332-10000S	PMB0332-10000S	PMB0333-10000S
	PMB0352-10000S	PMB0352-10000S	PMB0353-10000S
Insight	1-year Insight subscription included		

## S3600 Series 10G/Multi-Gigabit Ethernet Smart Switches

Package Content	XS508TM	XS516TM	XS724TM
Smart switch	✓	✓	✓
Power cord (localized to region of sale)	✓	✓	✓
Mounting kit	Wall mount and rack mount	Wall mount and rack mount	Rack mount
Rubber footpads for tabletop installation	✓	✓	✓
Installation guide	✓	✓	✓
Ordering Information			
XS508TM			
XS508TM-100NAS	North America		
XS508TM-100EUS	Europe, including United Kingdom		
XS508TM-100AUS	Australia & New Zealand		
XS508TM-100JPS	Japan		
XS508TM-100KOS	Korea		
XS508TM-100PES	Other APAC		
XS508TM-100UKS	Hong Kong and Singapore		
XS508TM-100TWS	Taiwan		
XS508TM-100PRS	China		
XS516TM			
XS516TM-100NAS	North America		
XS516TM-100EUS	Europe, including United Kingdom		
XS516TM-100AUS	Australia & New Zealand		
XS516TM-100JPS	Japan		
XS516TM-100KOS	Korea		
XS516TM-100PES	Other APAC		
XS516TM-100UKS	Hong Kong and Singapore		
XS516TM-100TWS	Taiwan		
XS516TM-100PRS	China		
XS724TM			
XS724TM-100NAS	North America		
XS724TM-100EUS	Europe, including United Kingdom		
XS724TM-100AUS	Australia & New Zealand		
XS724TM-100JPS	Japan		
XS724TM-100KOS	Korea		
XS724TM-100PES	Other APAC		
XS724TM-100UKS	Hong Kong and Singapore		
XS724TM-100TWS	Taiwan		
XS724TM-100PRS	China		

# S3600 Series

## 10G/Multi-Gigabit Ethernet Smart Switches

### Optional Modules, Software Licenses and Accessories

AGM731F	SFP Transceiver 1000BASE-SX (Short range, multimode)
AGM732F	SFP Transceiver 1000BASE-LX (Long range, single mode)
AGM734-10000S	SFP Transceiver 1000BASE-T Copper RJ45 GBIC
AXM761	SFP+ Transceiver 10GBASE-SR (Short range, multimode)
AXM762	SFP+ Transceiver 10GBASE-LR (Long range, single mode)
AXM764	SFP+ Transceiver 10GBASE-LR Lite (Long range lite, single mode)
AXM765v2	SFP+ RJ45 Transceiver 10GBASE-T (80m CAT6A)
AXC761	SFP+ DAC CABLE (1m)
AXC763	SFP+ DAC CABLE (3m)

\*This product comes with a limited warranty that is valid only if purchased from a NETGEAR authorized reseller, and covers unmodified hardware, fans and internal power supplies - not software or external power supplies, and requires product registration at <https://www.netgear.com/business/registration> within 90 days of purchase; see <https://www.netgear.com/about/warranty> for details. Intended for indoor use only.

\*\*The NETGEAR OnCall 24x7 contract provides unlimited phone, chat and email technical support for your networking product.

The use of the proper type of cable is required for optimum performance. Please consult support for more information: [www.netgear.com/support/](http://www.netgear.com/support/)

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