



S3300-28X, S3300-28X-PoE+, S3300-52X and S3300-52X-PoE+

The ProSAFE® S3300 Series are a new generation of Gigabit Stackable Smart Managed Switches inclusive of 4 10G ports, which can be used for uplinks and/or stacking between other S3300 switches. Dependable switched LAN network design mandates an architecture that can both scale as organization networks grow—and be flexible enough to provide support for faster server and storage connections needs. As SMBs produce and consume more data, Gigabit to the desktop increasingly needs to be underpinned with 10GbE connectivity to the core to ensure a consistent, seamless user experience. This new generation of switches provides SMB customers with the most cost-effective 10G connections between the access and aggregation layer of the network.

The ProSAFE S3300 Smart Managed Stackable Series is the blueprint for a dependable future-proof network. From greenfield network requirements to network refresh projects, the ProSAFE S3300 series sets new standards in defining flexibility and choice for SMBs looking to leverage reliable, future proof technologies at affordable price points. Packed with rich enterprise-class feature sets and advanced security measures, it is the only advanced smart managed switch platform to offer both dedicated 10GBASE-T and SFP+ uplink and stacking connectivity in both PoE+ and non PoE configurations – a combination that delivers an unrivalled and powerful interconnect solution for access to core connectivity.

With a choice of 24 or 48 port models, these switches can deliver on demanding tasks such as data replication and backup, video on demand and high volume transaction processing. Up to 6 switches across the series can be stacked for a total of 288 Gigabit access network ports, with 40Gbps stacking bandwidth and full redundancy for unsurpassed reliability. Add in the ability to deliver PoE+ to every port with supplemental RPS and application diversity is readily supported from PTZ IP camera surveillance solutions through to high powered wireless access points and VoIP phones. The inclusion of 10GBASE-T uplink capability as standard ensures an affordable way to leverage existing copper installations – if Gigabit speeds and link aggregation meets current requirements, simply migrate to 10GbE connectivity at a pace and time to suit your needs. With lifetime warranty, lifetime NBD and lifetime online technical chat to back you up, you'll have access to an extensive support service to help protect your investment and reduce downtime risk over the long term.

Highlights

Most Flexible and Cost-Effective Migration path to 10G

- 4 Dedicated 10G ports
- Gigabit and 10G network migration path
- A powerful interconnect link between access and aggregation
- 10G Fiber and copper can be used flexibly for either stacking and/or uplinks

Enhanced and Powerful

- Auto-Voice VLAN for easy development of VoIP
- Auto-Video for simple deployment of IP Surveillance
- Static routing, helps to route internal traffic for more efficient use of network resources
- IGMP and MLD snooping, providing advanced multicast filtering
- Extensive PoE+ capabilities extendable to 1,440W with supplemental RPS solution

- Solid performance with non-blocking architecture, 8K MAC addresses, 256 VLANs, 480 shared ACL entries, 32 static routes, and 1,024 Multicast Groups
- Comprehensive IPv6 supporting management, QoS and ACL, ensuring investment protection and a smooth migration to IPv6-based network
- Dedicated SFPs instead of combo ports, offering more connectivity ports and providing better value and usability at no extra cost
- Energy Efficient Ethernet (IEEE 802.3az) support for more energy saving in the future when more EEE-compliant end devices come to market
- Advanced QoS with IPv4/IPv6 ingress traffic filtering (ACLs) and prioritization (QoS - DiffServ)
- Dynamic VLAN assignment for easy user authentication and location-independent access to network
- USB for easy access firmware updates

Smart IT, not Big IT

- Easy to manage via web-Based Management GUI or Smart Control Center (Windows PC required) for multi-switch deployment
- Smart Control Center, a powerful tool for multi-switch discovery, deployment, monitoring and firmware upgrade
- Network Management System (NMS300), allowing all NETGEAR business products to be deployed and managed through this single interface
- Dual firmware images, improving reliability and uptime to your network
- Worry-free with NETGEAR Lifetime warranty*, Lifetime online Technical chat support and Lifetime Next Business Day replacement



Hardware at a Glance

| PORT CONFIGURATION | | | | | |
|--------------------|------------------------------|------------|-------------------------------|---------------------------------|-------------|
| Model Name | 10/100/1000Base-T RJ45 ports | PoE+ ports | 100/1000/10GBASE-T RJ45 ports | 1000/10GBASE-X Fiber SFP+ ports | Part Number |
| S3300-28X | 24 | | 2 dedicated | 2 dedicated | GS728TX |
| S3300-28X-PoE+ | 24 | 24 | 2 dedicated | 2 dedicated | GS728TXP |
| S3300-52X | 48 | | 2 dedicated | 2 dedicated | GS752TX |
| S3300-52X-PoE+ | 48 | 48 | 2 dedicated | 2 dedicated | GS752TXP |

| SYSTEM SPECIFICATION | | | | | | |
|----------------------|---|---------------|---|------------------------------------|-----|-------------|
| Model Name | Redundant Power Supply (RPS) (Optional) | RPS Connector | PoE Budget | Storage (image, config, log files) | Fan | Part Number |
| S3300-28X | | | - | 1 x USB | 1 | GS728TX |
| S3300-28X-PoE+ | 1 (RPS4000v2) | 1 (RPS) | 195W (extendable to 740W with RPS solution) | | 2 | GS728TXP |
| S3300-52X | | | - | | 2 | GS752TX |
| S3300-52X-PoE+ | 1 (RPS4000v2) | 1 (RPS) | 390W (extendable to 1,440W with RPS solution) | | 3 | GS752TXP |



S3300-28X: 28-port Gigabit Stackable Smart Managed Switch

- 24 Gigabit copper ports
- 2 dedicated 10G SFP+ Fiber ports supporting 10G and 1000M speeds (stacking at 10G only)
- 2 dedicated 10GBASE-T copper ports supporting 10G/1G/100M speeds (stacking at 10G only)



S3300-28X-PoE+: 28 PoE+ port Gigabit Stackable Smart Managed Switch

- 24 PoE+-capable Gigabit copper ports
- PoE Budget of 195W extendable to 740W with supplemental RPS
- 2 dedicated 10G SFP+ Fiber ports supporting 10G and 1000M speeds (stacking at 10G only)
- 2 dedicated 10GBASE-T copper ports supporting 10G/1G/100M speeds (stacking at 10G only)



S3300-52X: 52-port Gigabit Stackable Smart Managed Switch

- 48 Gigabit copper ports
- 2 dedicated 10G SFP+ Fiber ports supporting 10G and 1000M speeds (stacking at 10G only)
- 2 dedicated 10GBASE-T copper ports supporting 10G/1G/100M speeds (stacking at 10G only)



S3300-52X-PoE+: 52 PoE+ port Gigabit Stackable Smart Managed Switch

- 48 PoE+-capable Gigabit copper ports
- PoE Budget of 390W extendable to 1,440W with RPS
- 2 dedicated 10G SFP+ Fiber ports supporting 10G and 1000M speeds (stacking at 10G only)
- 2 dedicated 10GBASE-T Copper Ports supporting 10G/1G/100M speeds (stacking at 10G only)

Software at a Glance

| | LAYER 2+ FEATURES | | | | | | |
|----------------|-----------------------|---|----------------------|---|-------------------------------------|-----------------------------|-------------|
| Model Name | IPv4/IPv6 ACL and QoS | IPv4/IPv6 Multicast Filtering | Auto-VoIP Auto-Video | VLANs | Convergence | IPv4 Static Routing | Part Number |
| S3300-28X | L2, L3, L4, ingress | IGMP and MLD Snooping and Querier mode, MVR | Yes | Port, Dynamic, Voice, Video, MAC, Protocol-based, Private VLANs Guest VLANs | LLDP-MED, RADIUS, 802.1x, PoE timer | Yes (Port-based, and VLANs) | GS728TX |
| S3300-28X-PoE+ | | | | | | | GS728TXP |
| S3300-52X | | | | | | | GS752TX |
| S3300-52X-PoE+ | | | | | | | GS752TXP |

Performance at a Glance

| | TABLE SIZE | | | | | | | |
|----------------|---------------|----------------------------------|---|----------------------------------|---------------|---------------------------------|---------------------------------|-------------|
| Model Name | Packet buffer | CPU | ACLs | MAC ARP VLANs | Static Routes | Multicast IGMP Group membership | IP Multicast Forwarding Entries | Part Number |
| S3300-28X | 16Mb | 800Mhz 512M RAM 128M Flash | 100 shared ACLs (MAC, IPv4, IPv6 and TCP/UDP based) | 16K MAC 512 ARP VLANs: 256 | 32 IPv4 | 512 | 512 | GS728TX |
| S3300-28X-PoE+ | 32Mb | | | | | | | GS728TXP |
| S3300-52X | 32Mb | | | | | | | GS752TX |
| S3300-52X-PoE+ | 16Mb | | | | | | | GS752TXP |

S3300 True Stacking

NETGEAR stacking feature provides resilient network architecture: up to six (6) S3300 switches can be stacked with a single management IP address, which simplifies network operations. VLAN and QoS can be managed in a unified fashion across the stack. Up to 288 Gigabit access ports and 12 available 10-Gigabit uplinks offer support for high-density developments as well as flexibility for future network expansion need.

The S3300 architecture offers a 40Gbps bi-directional stacking backplane with built-in redundancy and auto-failover. The stacking capability allows for master and slave switches with a secondary master as back-up. The backup master can quickly take over the failed master switch function. Failed switches can be hot-swapped with the rest of the switches in the stack unaffected and operational.

Please note that stacking is supported at 10-Gigabit speeds (with either 10GBASE-T Copper or SFP+ Fiber modules) only. 1G stacking is not supported.

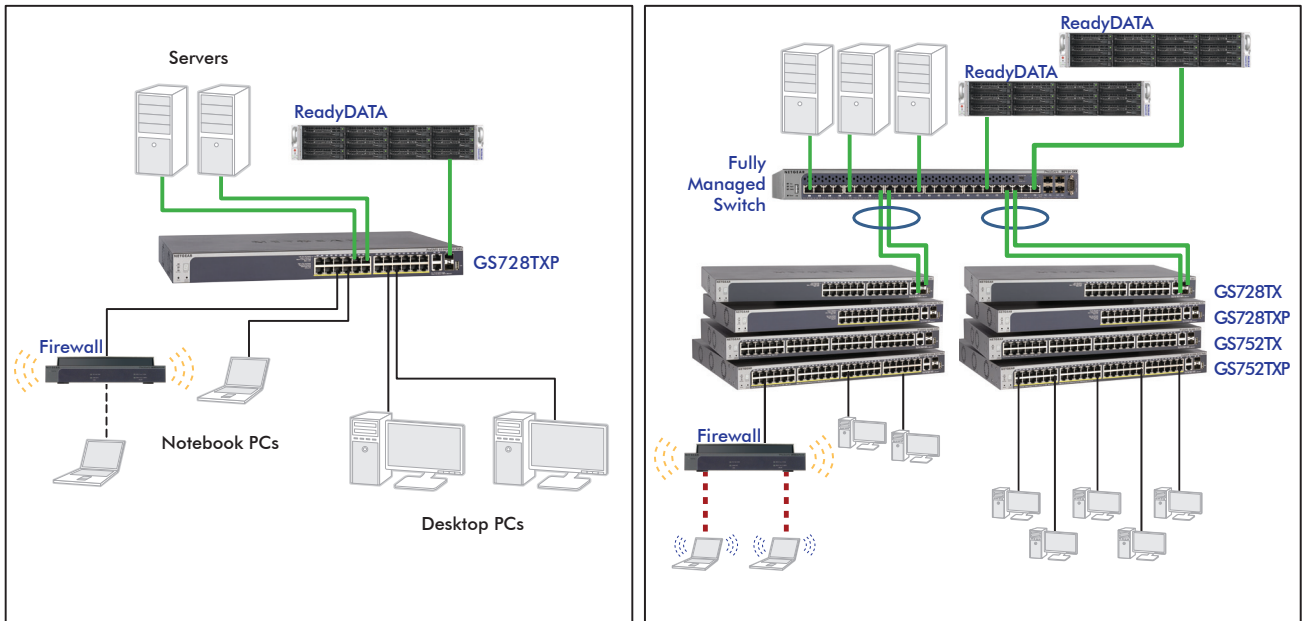
Features at a glance

S3300-28X, S3300-28X-PoE+, S3300-52X and S3300-52X-PoE+

| HARDWARE FEATURES | BENEFITS |
|---|---|
| 2 Dedicated SFP+Fiber uplinks/stacking ports | Dedicated SFP+ ports provides fiber uplinks without sacrificing any downlink Gigabit port. 2 SFP+ ports provide not only redundant uplinks, but can also build dual redundancy by a trunked uplink with link aggregation and failover redundancy. Note that stacking requires the use of SFP+ (10G) modules only. |
| 2 Dedicated 10GBASE-T uplink/stacking ports | Dedicated 10GBASE-T ports supporting 10G/1G/100M speeds can be used for redundant uplinks, or for stacking at 10G speeds only. |
| PoE+ Support on all ports (PoE models) | Flexible to plug-in or change into high-power PD devices on any port without worrying which one port to plug in and whether it will be running out of PoE+ ports. |
| One USB port on the rear of chassis | Quickly and conveniently upgrade or restore firmware. |
| Energy Efficient Ethernet (IEEE 802.3az) | Maximum power reduction for ongoing operational cost savings. |
| Stacking with up to 6 switches and 40G bi-directional bandwidth | Improved network reliability and resiliency. Easy management and great Solution for virtualized environments. |
| SOFTWARE FEATURES | BENEFITS |
| Dynamic VLAN assignment | 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 in the network. |
| Static routing | A simple way to provide segmentation of the network with internal routing through the switch – reserving the router for external traffic routing only, making the entire network more efficient. |
| Comprehensive IPv6 support for management, ACL and QoS | Build current network with future in mind. Ensure investment protection and a smooth migration to IPv6-based network without switch replacement. |
| IGMP snooping and MLD 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. |
| Robust security features | Build a secured, converged network with all types of traffic by preventing external attacks and blocking malware while allowing secure access for authorized users. <ul style="list-style-type: none"> • 802.1x authentication (MD5) • DHCP Filtering • Port-based security by locked MAC • ACL filtering to permit or deny traffic based on MAC and IP addresses |
| Auto-Voice and Auto-Video | Automatic Voice over IP prioritization with Auto-VoIP simplifies most complex multi-vendor IP telephone deployments either based on protocols (SIP, H323 and SCCP) or 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. When deployed IP phones are LLDP-MED compliant, the Voice VLAN will use LLDP-MED to pass on the VLAN ID, 802.1P priority and DSCP values to the IP phones, accelerating convergent deployments. |
| Comprehensive QoS features | Advanced controls for optimized network performance and better delivery of mission-critical traffic such as voice and video. <ul style="list-style-type: none"> • 802.1p-based prioritization • Layer 3-based (DSCP) prioritization • Port-based egress rate limiting |
| DHCP snooping | Ensure IP address allocation integrity by allowing only clients with specific IP/MAC addresses to have access to the network. |
| Dual firmware Images and configuration files | Dual firmware image and dual configuration file for transparent firmware updates/configuration changes with minimum service interruption. |
| Protected ports | Ensure no exchange of unicast, broadcast, or multicast traffic between the protected ports on the switch, therefore, improve the security of your converged network where your sensitive phone conversation can stay private and your surveillance video clips can be forwarded to their designated storage device without leakage or alteration. |
| Dynamic ARP inspection | Prevents a class of man-in-the-middle attacks, where an unfriendly station intercepts traffic for other stations by poisoning the ARP caches of its unsuspecting neighbors. |
| Multicast VLAN registration | Eliminates the replication of the same multicast traffic for every VLAN by sending multicast traffic only on to the dedicated multicast/source VLAN, resulting in more efficient utilization of network bandwidth. |
| EAV (Ethernet Audio/Video Bridging) support ¹ | Extends Ethernet usage to support multimedia streaming. The Ethernet AVB standard adds QoS (Quality of Service) features like time-synchronized low latency streaming services and bandwidth reservation to make it possible to carry professional quantity audio and video signals on a standard Ethernet line. |

¹ EAV support can be acquired through the purchase of EAV software license that is sold separately from the switch. Please refer to ordering information for part numbers of these licenses.

Migration path to 10G Networks for SMB







— 10GE link — GE link - - - Wireless link

Why the NETGEAR latest generation of Gigabit Stackable Smart Managed Switch with 10G links is the right choice for SMBs?

NETGEAR Gigabit Stackable Smart Managed Switches offer the most cost-effective migration path to 10G network:

- Well-positioned for 10G network upgrade into aggregation switches, servers and network storage devices while offering Gigabit to the network edge
- Stacking capability for redundancy, improved resiliency and ease-of-management
- Improved usability for easier and smoother deployment of voice, video and WLAN on the same converged platform
- Lifetime warranty on hardware, lifetime next-business-day (NBD) replacement, lifetime tech support online chat, and 1-year Free Advanced Tech Support* for peace-of-mind.

Technical Specifications

| PRODUCT | S3300-28X | S3300-28X-PoE+ | S3300-52X | S3300-52X-PoE+ |
|---|---|--|---|---|
| |  |  |  |  |
| 10/100/1000Mbps ports | 24 | 24 | 48 | 48 |
| 10-Gigabit ports | 4 Dedicated (2 Copper and 2 Fiber) | | | |
| PERFORMANCE SPECIFICATION | | | | |
| Forwarding modes | Store-and-forward | | | |
| Bandwidth | 128Gbps | 128Gbps | 176Gbps | 176Gbps |
| Packet Forwarding Rate (64 byte packet size) (Mfps or Mpps) | 95.2 | 95.2 | 130.9 | 130.9 |
| Priority queues | 8 | 8 | 8 | 8 |
| Priority queuing | Weighted Round Robin (WRR) | | | |
| MAC address database size | 16k media access control (MAC) addresses | | | |
| Addressing | 48-bit MAC address | | | |
| Multicast groups | 512 | | | |
| Number of static routes | 32 | | | |
| Number of routed VLANs | 15 | | | |
| Number of ARP cache entries | 512 | | | |
| Number of DHCP snooping bindings | 8K | | | |
| Access Control Lists (ACLs) | 100 shared for MAC, IP and IPv6 ACLs | | | |
| Jumbo frame support (bytes) | Up to 9,216 bytes packet size | | | |
| Acoustic noise (ANSI-S10.12) | 40dBA | 36.8dBA | 39dBA | 40dBA |
| Mean Time Between Failures (MTBF) @ 25°C | 278,559 hours | 147,965 hours | 279,970 hours | 216,809 hours |
| L2 SERVICES - VLANS | | | | |
| IEEE 802.1Q VLAN tagging | Yes | | | |
| IP-based VLANs | Yes | | | |
| MAC-based VLANs | Yes | | | |
| Auto-Voice VLAN | Based on phones OUI bytes (internal database, or user-maintained) or protocols (SIP, H323 and SCCP) | | | |
| Auto-Video VLAN | Yes | | | |
| L2 SERVICES - AVAILABILITY | | | | |
| IEEE 802.3ad - LAGs | Yes | | | |
| Broadcast storm control | Yes | | | |
| IEEE 802.3x (full duplex and flow control) | Yes | | | |
| IEEE 802.1D Spanning Tree Protocol | Yes | | | |
| IEEE 802.1w Rapid Spanning Tree Protocol | Yes | | | |
| IEEE 802.1s Multiple Spanning Tree Protocol | Yes | | | |
| BPDU guard | Yes | | | |

Technical Specifications

| PRODUCT | S3300-28X | S3300-28X-PoE+ | S3300-52X | S3300-52X-PoE+ |
|--|-----------|----------------|--|----------------|
| L2 SERVICES - MULTICAST FILTERING | | | | |
| IGMP snooping (v1, v2 and v3) | | | Yes | |
| MLD snooping support (v1 and v2) | | | Yes | |
| IGMP snooping queries | | | Yes | |
| Block unknown multicast | | | Yes | |
| Multicast VLAN Registration (MVR) | | | Yes | |
| L3 SERVICES - DHCP | | | | |
| DHCP client | | | Yes | |
| DHCP snooping | | | Yes | |
| DHCP relay | | | Yes | |
| L3 SERVICES - IPV4 ROUTING | | | | |
| Static routing | | | 32 | |
| Host ARP table | | | 512 | |
| Router Discovery (IRDP) | | | Yes | |
| LINK AGGREGATION | | | | |
| IEEE 802.3ad - LAGs | | | Yes | |
| Manual LAG | | | Yes | |
| # of LAGs / # of members in each LAG | | | 26 LAGs with max 8 members in each LAG | |
| STACKING | | | | |
| Stacking Interface | | | 10G SFP+ or 10GBASE-T copper (both at 10G speeds only) | |
| Max. number of switches within a stack | | | up to 6 | |
| Stacking bandwidth | | | 40G bi-directional | |
| NETWORK MONITORING AND DISCOVERY SERVICES | | | | |
| 802.1ab LLDP | | | Yes | |
| SNMP | | | v1, v2c, v3 | |
| RMON group 1,2,3,9 | | | Yes | |
| NETWORK SECURITY | | | | |
| 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 | |

Technical Specifications

| PRODUCT | S3300-28X | S3300-28X-PoE+ | S3300-52X | S3300-52X-PoE+ |
|---|---|----------------|------------------|----------------|
| MAC-based ACLs | | | Yes | |
| TCP/UDP-based ACLs | | | Yes | |
| MAC lockdown | | | Yes | |
| MAC lockdown by the number of MACs | | | Yes | |
| IEEE 802.1x RADIUS port access authentication | | | Yes | |
| Port-based security by locked MAC addresses | | | Yes | |
| IP source guard | | | Yes | |
| Dynamic ARP inspection | | | Yes | |
| Dynamic learned entries | | | 600 | |
| Static entries | | | 20 | |
| Network storm protection, DoS | | | Yes | |
| Broadcast, unicast, multicast DoS protection | | | Yes | |
| DoS attacks prevention | | | Yes | |
| QUALITY OF SERVICE (QOS) | | | | |
| Access Lists | | | Yes | |
| L2 MAC, L3 IP and L4 port ACLs | | | Yes | |
| Port-based rate limiting | | | Egress only | |
| Port-based QoS | | | Yes | |
| Support for IPv6 fields | | | Yes | |
| DiffServ QoS | | | Yes | |
| IEEE 802.1p COS | | | Yes | |
| Destination MAC and IP | | | Yes | |
| IPv4 and v6 DSCP | | | Yes | |
| TCP/UDP-based | | | Yes | |
| WRR (Weighted Round Robin) | | | Yes | |
| Strict priority queue technology | | | Yes | |
| Timing and Synchronization for Time-Sensitive Applications (IEEE 802.1AS) | | | Yes ¹ | |
| Stream Reservation Protocol (SRP) (IEEE 802.1Qat) | | | Yes ¹ | |
| Forwarding and Queuing for Time-Sensitive Streams (IEEE 802.1Qav) | | | Yes ¹ | |
| Audio Video Bridging Systems (IEEE 802.1BA) | | | Yes ¹ | |
| Auto-VoIP | Yes, based on protocols (SIP, H323 and SCCP) or on OUI bytes (default database and user-based OUIs) in the phone source MAC address | | | |
| Auto-Video | Yes (up to 24 ports simultaneously) | | | |

¹ EAV support can be acquired through the purchase of EAV software license that is sold separately from the switch. Please refer to ordering information for part numbers of these licenses.

Technical Specifications

| PRODUCT | S3300-28X | S3300-28X-PoE+ | S3300-52X | S3300-52X-PoE+ |
|--|-----------|---|-------------|----------------|
| IEEE NETWORK PROTOCOLS | | | | |
| <ul style="list-style-type: none"> • IEEE 802.3 Ethernet • IEEE 802.3i 10BASE-T • IEEE 802.3u 100BASE-T • IEEE 802.3ab 1000BASE-T • IEEE 802.1Q VLAN Tagging • IEEE 802.3x Full-Duplex Flow Control • IEEE 802.1Qav¹ • IEEE 802.3z Gigabit Ethernet 1000BASE-SX/LX • IEEE 802.3ae 10-Gigabit Ethernet Over Fiber (10GBASE-SR, 10GBASE-LR, 10GBASE-ER, 10GBASE-LX4) • IEEE 802.3an 10GBASE-T 10 Gbit/s Ethernet Over Copper Twisted Pair Cable | | <ul style="list-style-type: none"> • IEEE 802.3ad Trunking (LACP) • IEEE 802.1AB LLDP with ANSI/TIA-1057 (LLDP-MED) • IEEE 802.1p Class of Service • IEEE 802.1Qat¹ • IEEE 802.1D Spanning Tree (STP) • IEEE 802.1s Multiple Spanning Tree (MSTP) • IEEE 802.1w Rapid Spanning Tree (RSTP) • IEEE 802.1x RADIUS Network Access Control • IEEE 802.1BA¹ • IEEE 802.1AS¹ | | |
| MANAGEMENT | | | | |
| Password management | | | Yes | |
| Configurable management VLAN | | | Yes | |
| Admin access control via RADIUS and TACACS+ | | | Yes | |
| Web-based graphical user interface (GUI) | | | Yes | |
| Smart Control Center (SCC) for multi-switch management | | | Yes | |
| IPv6 management | | | Yes | |
| Dual software (firmware) image | | | Yes | |
| Dual configuration file | | | Yes | |
| SNTP client over UDP port 123 | | | 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 | |
| SSL/HTTPS and TLS v1.0 for Web-based access | | | Yes | |
| File transfers (uploads, downloads) | | | TFTP / HTTP | |
| HTTP upload/download (firmware) | | | Yes | |
| Syslog (RFC 3164) | | | Yes | |
| USB port for firmware and config upload/download | | | Yes | |

¹ EAV support can be acquired through the purchase of EAV software license that is sold separately from the switch. Please refer to ordering information for part numbers of these licenses.

Technical Specifications

| PRODUCT | S3300-28X | S3300-28X-PoE+ | S3300-52X | S3300-52X-PoE+ |
|---|--|------------------|------------------|------------------|
| LEDS | | | | |
| Per port | Speed, Link, Activity | | | |
| Per device | Power, Fan, and PoE (GS728TXP and GS752TXP only) | | | |
| POE CONFIGURATION | | | | |
| Number of PoE+ ports | | 24 | | 48 |
| Total PoE power budget (watts), without RPS | | 195W | | 390W |
| RPS support: RPS mode, max. PoE power budget with RPS | | 720W | | 1440W |
| PHYSICAL SPECIFICATIONS | | | | |
| Dimensions | 440 x 257 x 43mm | 440 x 257 x 43mm | 440 x 257 x 43mm | 440 x 345 x 43mm |
| Weight | 3.14kg | 3.77kg | 3.66kg | 5.54kg |
| POWER CONSUMPTION (WHEN ALL PORTS USED, LINE-RATE TRAFFIC AND MAX POE) | | | | |
| Worst case, all ports used, line-rate traffic | 28.18W | 748.18W | 44.12W | 1484.12W |
| ENVIRONMENTAL SPECIFICATIONS | | | | |
| Operating | | | | |
| Operating temperature | 32° to 122°F (0° to 50°C) | | | |
| Humidity | 90% maximum relative humidity, non-condensing | | | |
| Altitude | 10,000 ft (3,000 m) maximum | | | |
| Storage | | | | |
| Storage temperature | - 4° to 158°F (-20° to 70°C) | | | |
| Humidity | 95% maximum relative humidity, non-condensing | | | |
| Altitude | 10,000 ft (3,000 m) maximum | | | |
| ELECTROMAGNETIC EMISSIONS AND IMMUNITY | | | | |
| Certifications | CE mark, commercial | | | |
| | FCC Part 15 Class A, VCCI Class A | | | |
| | Class A EN 55022 (CISPR 22) Class A | | | |
| | Class A C-Tick | | | |
| | EN 50082-1 | | | |
| | EN 55024 | | | |
| | CCC | | | |

Technical Specifications

| PRODUCT | S3300-28X | S3300-28X-PoE+ | S3300-52X | S3300-52X-PoE+ |
|--|--|----------------|-----------|----------------|
| SAFETY | | | | |
| Certifications | CE mark, commercial | | | |
| | CSA certified (CSA 22.2 #950) | | | |
| | UL listed (UL 1950)/cUL IEC 950/EN 60950 | | | |
| WARRANTY AND SUPPORT | | | | |
| ProSAFE Lifetime Warranty | Included, Lifetime* | | | |
| Lifetime 24x7 Online Technical Support* | Included, Lifetime* | | | |
| Lifetime Next-Business-Day (NBD) Replacement | Included, Lifetime* | | | |
| ProSUPPORT OnCall 24x7, Category 2** Service Packs | PMB0312 (1 yr.) PMB0332 (3 yrs.) PMB0352 (5 yrs.) | | | |
| PACKAGE CONTENT | | | | |
| All Models | ProSAFE® Gigabit Stackable Smart Managed Switch, S3300 Series | | | |
| | Power cord | | | |
| | Rack-mounting kit | | | |
| | Hardware installation guide | | | |
| | Resource CD with links to online documentation, installation guides, Web-management user manual, Smart Control Center (SCC) software and user guide. | | | |

Ordering Information

| ORDERING INFORMATION | |
|---|--|
| GS728TX-100NES | North America, Latin America and Europe |
| GS728TX-100AJS | Asia Pacific |
| GS728TX-100PRS | China |
| GS728TX-100INS | India |
| GS728TXP-100NES | North America, Latin America and Europe |
| GS728TXP-100AJS | Asia Pacific |
| GS728TXP-100PRS | China |
| GS752TX-100NES | North America, Latin America and Europe |
| GS752TX-100AJS | Asia Pacific |
| GS752TX-100PRS | China |
| GS752TXP-100NES | North America, Latin America and Europe |
| GS752TXP-100AJS | Asia Pacific |
| GS752TXP-100PRS | China |
| OPTIONAL MODULES, SOFTWARE LICENSES AND ACCESSORIES | |
| GS728TXAV-10000S | Ethernet Audio/Video (EAV) software license for GS728TX-100 |
| G728TXPAV-10000S | Ethernet Audio/Video (EAV) software license for GS728TXP-100 |
| GS752TXAV-10000S | Ethernet Audio/Video (EAV) software license for GS752TX-100 |
| G752TXPAV-10000S | Ethernet Audio/Video (EAV) software license for GS752TXP-100 |
| AXM761-10000S | SFP+ Transceiver 10GBASE-SR (Short range, multimode) |
| AXM762-10000S | SFP+ Transceiver 10GBASE-SR (Long range, single mode) |
| AXM763-10000S | SFP+ Transceiver 10GBASE-LRM (Long range, multimode) |
| AXM764-10000S | SFP+ Transceiver 10GBASE-LR Lite (Long range lite, single mode) |
| AGM731F-10000S | SFP Transceiver 1000BASE-SX (Short range, multimode). Note: Stacking requires 10G SFP+ modules. |
| AGM732F-10000S | SFP Transceiver 1000BASE-LX (Long range, single mode). Note: Stacking requires 10G SFP+ modules. |
| AGM734-10000S | SFP Transceiver 1000BASE-T (Short range, RJ45 copper). Note: Stacking requires 10G SFP+ modules. |
| AFM735-10000S | SFP Transceiver 100BASE-FX (Long range, multimode). Note: Stacking requires 10G SFP+ modules. |
| AXC761-10000S | SFP+ DAC CABLE (1m) |
| AXC763-10000S | SFP+ DAC CABLE (3m) |
| RPS4000v2 | Optimal Power® External Redundant Power Supply |
| APS1000W | Power supply unit; provides 800W power in combination with an RPS4000 (2 x APS1000W to provide up to 1,440W full PoE+) |

* 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. NETGEAR #1 in US Market Share according to NPD data for Unmanaged and Web/Smart Switches, April 2015.

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