NETGEAR®

Gigabit PoE+ Smart Managed Pro Switches

GS728TPv2, GS728TPPv2, GS752TPv2 and GS752TP

#1 IN WEB/SMART SWITCHES*

In Worldwide Market Share according to IHS Infonetics, December 2016

All ports PoE+ with up to 760W PoE budget – Select your new network engine!

As a leading provider of network equipment for SMBs, NETGEAR® understands the importance of providing a great choice of PoE port counts and power budgets that can adapt to your business' needs, whether in the hospitality, catering, education or retail domains.

The GS728TPv2, GS728TPPv2, GS752TPv2 and GS752TPP Gigabit Ethernet Switches with PoE+ and 4 SFP Ports join the NETGEAR Standalone Smart Managed Pro Switches family, adding full 24 and 48 port PoE+ support for deployment of modern high-power PoE devices. Cautious spender organizations can now deploy denser PoE+ devices connected to a cost-effective switch, with a reasonable PoE power budget of 190W over 24-port, or 380W over 48-port. Organizations who buy infrastructure for the long term and want future proofing for the unforeseeable can now select a switch with a PoE power budget of 380W over 24-port, or 760W over 48-port providing more headroom.

Temperature- and load-based fan-speed control combines accurate monitoring with minimized system acoustic noise: the GS728TPv2 supports quiet rack mounting operation with a maximum of 31dBA even at full PoE power with traffic on all ports and 25°C (77°F) ambient. Following the same measurements, the GS728TPPv2 is rated at 35dBA, the GS752TPv2 at 38dBA and the GS752TPP at 43dBA.

Highlights

The NETGEAR PoE+ Gigabit Smart Managed Pro Switches provides a great value, with configurable L2 network features like VLANs and PoE operation scheduling, allowing SMB customers to deploy PoE-based VoIP phones, IP cameras, video-over-IP endpoints and Wireless access points simply and securely. Advanced features such as IPv4/IPv6 Layer 3 static routing, LACP link aggregation, DiffServ QoS, Private VLANs, Multicast VLAN Registration and Spanning Tree will satisfy even the most advanced small business networks.

Key features include:

- Quiet rack mounting operation with 31dB to 43dB at 25°C (77°F) ambient
- Layer 3 static routing with 32 routes (IPv4 and IPv6) for interVLAN local routing
- Advanced VLAN and Private VLAN support for better network segmentation
- L2/L3/L4 access control lists (ACLs) for granular network access control including 802.1x port authentication
- Advanced per port PoE controls for remote power management of PoE connected devices including operation scheduling (e.g. Wireless APs, IP security cameras, LED lighting, secure access door locks, IoT devices…)

- Advanced QoS (Quality of Service) for traffic prioritization including port-based, 802.1p and L2/L3/L4 DSCP-based
- Auto "denial-of-service" (DoS) prevention
- IGMP Snooping and Querier for multicast optimization
- Multicast VLAN Registration (MVR) for larger L2 multicast networks and AV over IP deployment
- Dynamic ARP for increased security targeting a class of Man in the Middle attack
- Rate limiting and priority queuing for better bandwidth allocation
- Port mirroring for network monitoring
- Energy Efficient Ethernet (IEEE 802.3az) for maximum power savings
- Cable test to troubleshoot connection issues
- SNMP v1, v2c, v3 and RMON remote monitoring

Build a future-proof network with NETGEAR:

- Solid performance with non-blocking architecture, 16K MAC addresses, 256 VLANs, 100 shared (ingress) ACLs and 512 Multicast groups
- Comprehensive IPv6 supporting management, QoS, ACL and routing, ensuring investment protection and a smooth migration to IPv6-based network

- PoE+ support on all models and on all ports
- 4 Dedicated SFPs, not only providing fiber uplinks, but also uplink redundancy and failover, improving reliability and availability for the network

Smart IT, not Big IT

- Easy-to-use Web browser-based management GUI makes setup and management simple
- Standards-based technology ensures interoperability with any standards-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 Online Chat Technical Support

LIFETIME WARRANTY Hardware Warranty

LIFETIME WARRANTY Next Business Day

LIFETIME Tech Support

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Hardware at a Glance

Model Name	Form-Factor	FRONT			REAR	SIDE
		10/100/1000 Base-T RJ45 ports	1000BASE-X Fiber SFP Ports	PoE+ 802.3at Ports (Budget)	Power Supply	Fans
GS728TPv2	Rackmount	24	4	24 PoE+ (190W)	1 internal PSU, fixed	2 internal fans, fixed
GS728TPPv2	Rackmount	24	4	24 PoE+ (380W)	1 internal PSU, fixed	2 internal fans, fixed
GS752TPv2	Rackmount	48	4	48 PoE+ (380W)	1 internal PSU, fixed	2 internal fans, fixed
GS752TPP	Rackmount	48	4	48 PoE+ (760W)	1 internal PSU, fixed	3 internal fans, fixed

Software at a Glance

Management	LAYER 2+ / LAYER 3 LITE FEATURES						
	IPv4/IPv6 ACL and QoS	IPv4/IPv6 Multicast Filtering	Auto-VoIP Auto-Video	IEEE (802.3az) Energy Efficient Ethernet	VLANs	Convergence	IPv4 & IPv6 Static Routing
Web Browser-based GUI (HTTP/HTTPS), PC-Based Smart Control Center Utility (SCC) RMON, SNMP	L2, L3, L4, ingress	IGMP and MLD Snooping	Yes	Yes	Static, Dynamic, Voice, MAC, Protocol-based, and Private VLAN	LLDP-MED, RADIUS, 802.1X	Yes

Performance at a Glance

Model Name	Packet buffer	CPU	ACLs	MAC Address Table ARP Table VLANs	Fabric	Latency (Max Connection Speed)	Static Routes (IPv4 & IPv6)	Multicast IGMP Group
GS728TPv2	1.5MB	MIPS-34Kc 700MHz Single Core 128MB DDR RAM 32MB FLASH	100 shared	16K MAC 512 ARP 256 VLANs	56Gbps line-rate	1G Copper: <3.35μs 1G Fiber: <2.5μs	IPv4: 32 IPv6: 32	512
GS728TPPv2								
GS752TPv2					104Gbps line-rate			
GS752TPP								

Ordering Information

Model Name	Americas	Europe	Asia Pacific	India
GS728TPv2	GS728TP-200NAS	GS728TP-200EUS	GS728TP-200AJS	GS728TP-200INS
GS728TPPv2	GS728TPP-200NAS	GS728TPP-200EUS	GS728TPP-200AJS	GS728TPP-200INS
GS752TPv2	GS752TP-200NAS	GS752TP-200EUS	GS752TP-200AJS	GS752TP-200INS
GS752TPP	GS752TPP-100NAS	GS752TPP-100EUS	GS752TPP-100AJS	GS752TPP-100INS