NETGEAR®

Gigabit PoE+ Smart Managed Pro Switches

Data Sheet

GS728TPv2, GS728TPPv2, GS752TPv2 and GS752TPP

#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 27.08dB 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 33.42dB, the GS752TPv2 at 36.94dB and the GS752TPP at 39.74dB.

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 27.08dB to 39.74dB 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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Gigabit PoE+ Smart Managed Pro Switches

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	IPv4: 32 IPv6: 32	512
GS728TPPv2								
GS752TPv2					104Gbps line-rate	1G Fiber: <2.5µs		
GS752TPP								

Ordering Information

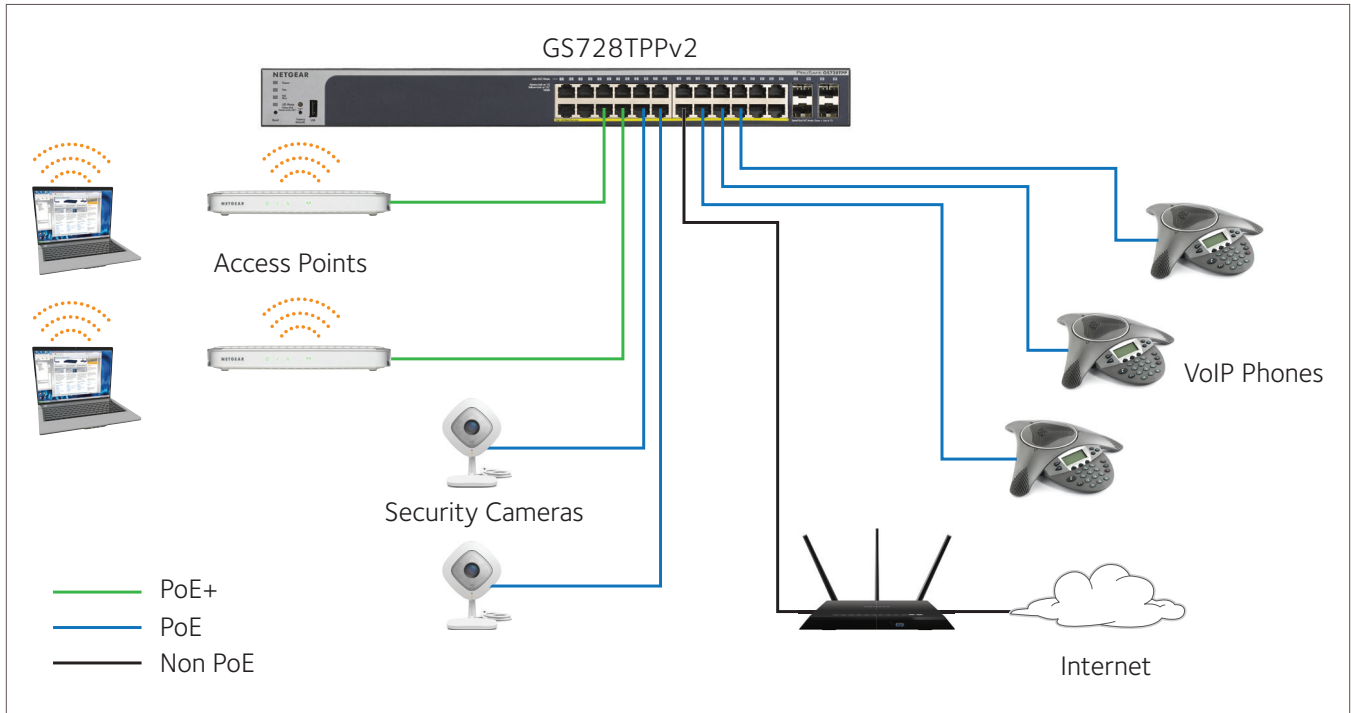| Model Name	Americas	Europe	Asia Pacific	India
GS728TPv2	GS728TP-200NAS	GS728TP-200EUS	GS728TP-200AJS	GS728TP-200INS
GS728TPPv2	GS728TPP-200NAS	GS728TPP-200EUS	GS728TPP-200AJS	GS728TPP-200INS
GS752TPv2	GS752TP-200NAS	GS752TP-200EUS	GS752TP-200AJS	GS752TP-200INS
GS752TPP	GS752TPP-100NAS	GS752TPP-100EUS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

Features at a Glance

HARDWARE FEATURES	BENEFITS
1000BASE-T Copper Ethernet PoE+ connections	Support high-density VoIP, Surveillance and Wi-Fi AP deployments, scalable for future growth. Never face the risk of running out of PoE ports.
1000BASE-X Fiber SFP ports	Four dedicated Gigabit SFP ports for aggregation to the network core. Support for Fiber and Copper modules. Can also build dual redundancy by a trunked uplink with link aggregation and failover.
Great choice of PoE port counts and PoE power budgets that can adapt to the business's needs	190W, 380W or 760W PoE budget available across 24 or 48 Gigabit PoE+ ports (802.3at) – Connect multiple power demanding devices to your network with a single wire for power and connectivity.
Low Acoustics	Temperature-based fan-speed control minimizes system acoustic noise in any environment starting at 27.08dB at 25°C (77°F) ambient.
Energy Efficient Ethernet (IEEE 802.3az)	Maximum power reduction for ongoing operation cost savings.
SOFTWARE FEATURES	**BENEFITS**
Comprehensive IPv6 Support for Management, ACL and QoS	Build current network with future in mind. Ensure investment protection and a smooth migration to an IPv6-based network without switch replacement.
IPv4 & IPv6 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.
Robust security features: • 802.1x authentication (EAP) • Port-based security by locked MAC • ACL filtering to permit or deny traffic based on MAC and IP addresses	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: • Port-based or 802.1p-based prioritization • Layer 3-based (DSCP) prioritization • Port-based ingress and egress rate limiting	Advanced controls for optimized network performance and better delivery of mission-critical traffic such as voice and video.
Auto-VoIP, Auto-Voice VLAN, and Auto-Video VLAN	Automatic Voice over IP prioritization (Auto-VoIP) simplifies most complex multi-vendor IP telephone deployments either based on protocols (SIP) 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. Similarly, Auto-Video VLAN enables IGMP snooping to minimize broadcast streams.
IGMP (IPv4) and MLD (IPv6) Snooping and Querier modes with Fast Leave	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 and Dynamic ARP Inspection	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. Use the DHCP snooping bindings database per port and per VLAN to drop incoming packets that do not match any binding and to enforce source IP/MAC addresses for malicious users traffic elimination.
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.
Dual Firmware Images	Dual firmware images for transparent firmware updates with minimum service interruption.

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Gigabit PoE+ Smart Managed Pro Switches

Target Application

Network Convergence

GS728TPPv2
Access Points
Security Cameras
VoIP Phones
Internet

— PoE+
— PoE
— Non PoE

Within small and medium-sized organizations — especially in the hospitality, catering, education, and retail industries — there is growing deployment of VoIP phones, IP security cameras, video-over-IP endpoints, proximity sensors, LED lighting, secure access door locks, and other IoT devices. The dense proximity of these devices requires network switches capable of supporting PoE so a network manager can add power-hungry devices to the network with a single wire for power AND connectivity. Wave 2 802.11ac wireless access points and pan-tilt-zoom HD surveillance cameras with features such as night vision and built-in motion tracking also require PoE+ power (802.3at), increasing the power demands on PoE switches.

The new 24-port and 48-port NETGEAR Smart Managed Pro Switches support dense deployments of these modern high-power PoE+ devices. They offer powerful Layer 2 and Lite Layer 3 (static routing) features for IPv4 and IPv6 with enhanced performance and a focus on usability within SMB environments:

- 190W (GS728TPv2) or 380W (GS728TPPv2) PoE budget across 24 Gigabit PoE+ ports

- 380W (GS752TPv2) or 760W (GS752TPP) PoE budget across 48 Gigabit PoE+ ports

- 4 dedicated Gigabit SFP fiber ports for aggregation to the network core

- Quiet rack mounting operation with 27.08dB to 39.74dB max at 25°C (77°F) ambient

- Layer 3 static routing with 32 routes (IPv4 and IPv6) for interVLAN local routing

- IGMP Snooping, IGMP Querier and IGMP Fast Leave for multicast optimization

- Include VLANs, Private VLAN, PoE scheduling, ACLs, DiffServ, LACP, MVR and STP

- Easy-to-use Web browser-based management GUI — No need for an IT expert

- LIFETIME Limited Warranty, Next Business Day Replacement, Tech support

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Technical Specifications

PRODUCT	GS728TPv2	GS728TPPv2	GS752TPv2	GS752TPP
10M/100M/1G RJ-45 copper ports	24	24	48	48
PoE / PoE+ ports	24 PoE+ (190W PoE budget)	24 PoE+ (380W PoE budget)	48 PoE+ (380W PoE budget)	48 PoE+ (760W PoE budget)
1G SFP (fiber) ports	4 (dedicated)	4 (dedicated)	4 (dedicated)	4 (dedicated)
USB port (for config file upload/backup & firmware updates)	Yes			
PERFORMANCE SPECIFICATION				
CPU	MIPS-34Kc 700MHz Single Core			
Packet buffer memory (Dynamically shared across only used ports)	1.5 MB			
Forwarding modes	Store-and-forward			
Bandwidth	56 Gbps	56 Gbps	104 Gbps	104 Gbps
Priority queues	8			
Priority queuing	Weighted Round Robin (WRR)			
MAC address database size (48-bit MAC addresses)	16K			
Multicast groups	512			
Number of IPv4 static routes	32			
Number of IPv6 static routes	32			
Number of VLANs	256			
Number of ARP cache entries	512 ARP			
Number of DHCP snooping bindings	256			
Access Control Lists (ACLs)	100 shared for MAC, IP and IPv6 ACLs (ingress)			
Packet forwarding rate (64 byte packet size) (Mpps)	41.67	41.67	77.38	77.38
Jumbo frame support (bytes)	Up to 10K packet size			
Acoustic noise level @ 25°C (dBA) (ANSI-S10.12)	27.08dBA	33.42dBA	36.94dBA	39.74dBA
Mean Time Between Failures (MTBF) @ 25°C	1,250,365 hours	1,071,896 hours	1,737,411 hours	1,107,549 hours
100M Copper Latency (64-byte; 1518-byte; 9216-byte frames)	8.916µs; 9.258µs; 9.009µs	8.916µs; 9.258µs; 9.009µs	8.314µs; 8.612µs; 8.451µs	8.314µs; 8.612µs; 8.451µs
1G Copper Latency (64-byte; 1518-byte; 9216-byte frames)	3.388µs; 3.625µs; 3.716µs	3.388µs; 3.625µs; 3.716µs	3.614µs; 3.545µs; 3.628µs	3.614µs; 3.545µs; 3.628µs
1G Fiber Latency (64-byte; 1518-byte; 9216-byte frames)	3.204µs; 3.209µs; 3.298µs	3.204µs; 3.209µs; 3.298µs	2.980µs; 3.101µs; 3.179µs	2.980µs; 3.101µs; 3.179µs
L2 SERVICES - VLANS				
IEEE 802.1Q VLAN tagging	Yes			
IP-based VLANs	Yes			
MAC-based VLANs	Yes			
Auto-VoIP VLAN / Auto-Voice VLAN	Yes, based on OUI bytes (default database and user-based OUIs) in the phone source MAC address			

Gigabit PoE+ Smart Managed Pro Switches

Technical Specifications

PRODUCT	GS728TPv2	GS728TPPv2	GS752TPv2	GS752TPP
Auto-VoIP	Yes, based on protocols (SIP). Prioritzes 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			
GARP with GVRP	Yes			
Private VLAN	Yes			
L2 SERVICES – AVAILABILITY				
Broadcast, multicast, unknown unicast storm control	Yes			
IEEE 802.3ad – LAGs (LACP)	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			
Layer 2 DHCP Relay	Yes			
L2 SERVICES – MULTICAST FILTERING				
IGMP snooping (v1, v2 and v3)	Yes			
MLD snooping support (v1 and v2)	Yes			
IGMP snooping querier (v2)	Yes			
MLD snooping querier (v1)	Yes			
Multicast VLAN Registration (MVR)	Yes			
L3 SERVICES – DHCP				
DHCP client	Yes			
DHCP snooping	Yes			
L3 SERVICES – ROUTING				
IPv4 static routing	32			
IPv6 static routing	32			
VLAN routing	Yes			
Host ARP table (number of entries)	512 ARP			
ICMP Router Discovery Protocol (IRDP)	Yes			
Number of IP VLAN interfaces (routed VLANs)	15			
LINK AGGREGATION				
IEEE 802.3ad – LAGs (LACP)	Yes			
Manual Static LAG	Yes			
# of Static or LACP LAGs # of members in each LAG	16 LAGs with max 8 ports in each LAG			

Technical Specifications

PRODUCT	GS728TPv2	GS728TPPv2	GS752TPv2	GS752TPP
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 ingress			
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	4096			
Control MAC # static entries	48			
IEEE 802.1x RADIUS port access authentication	Yes			
Port-based security by locked MAC addresses	Yes			
Dynamic ARP inspection	Yes			
Broadcast, unicast, multicast DoS protection	Yes			
DoS attacks prevention	Yes			
QUALITY OF SERVICE (QOS)				
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			
Strict priority queue technology	Yes			
Auto-VoIP VLAN / Auto-Voice VLAN	Yes, based on OUI bytes (default database and user-based OUIs) in the phone source MAC address			

Technical Specifications

PRODUCT	GS728TPv2	GS728TPPv2	GS752TPv2	GS752TPP
Auto-VoIP	Yes, based on protocols (SIP). Prioritzes 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			
IEEE NETWORK PROTOCOLS				

- IEEE 802.3 Ethernet
- IEEE 802.3u 100BASE-T
- IEEE 802.3ab 1000BASE-T
- IEEE 802.3af PoE
- IEEE 802.3at PoE+
- IEEE 802.3az Energy Efficient Ethernet (EEE)
- IEEE 802.3ad Trunking (LACP)
- IEEE 802.3z Gigabit Ethernet 1000BASE-SX/LX
- IEEE 802.3x Full-Duplex Flow Control

- IEEE 802.1Q VLAN Tagging
- IEEE 802.1AB LLDP with ANSI/TIA-1057 (LLDP-MED)
- IEEE 802.1p Class of Service
- 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

MANAGEMENT				
Password management	Yes			
Configurable management VLAN	Yes			
Admin access control via RADIUS and TACACS+	Yes			
IPv6 management	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 ingress and egress			
Many-to-one port mirroring	28	28	52	52
Web browser-based graphical user interface (GUI)	Yes			
Smart Control Center (SCC) for multi-switch management	Yes			
Dual software (firmware) image	Yes			
Cable test utility	Yes			
TLS/HTTPS Web-based access (version)	Yes (v1.2)			
File transfers (uploads, downloads)	TFTP / HTTP			
HTTP upload/download (firmware)	Yes			
Syslog (RFC 3164)	Yes			
USB port for firmware and config upload/download	Yes			

Gigabit PoE+ Smart Managed Pro Switches

Data Sheet

GS728TPv2, GS728TPPv2, GS752TPv2 and GS752TPP

Technical Specifications

PRODUCT	GS728TPv2	GS728TPPv2	GS752TPv2	GS752TPP
LEDS				
Per port	Speed, Link, Activity; or PoE in different mode			
Per device	Power, Fan, PoE Max			
PHYSICAL SPECIFICATIONS				
Dimensions (W x D x H)	440 x 257 x 43.2 mm (17.3 x 10.1 x 1.7 in)	440 x 257 x 43.2 mm (17.3 x 10.1 x 1.7 in)	440 x 310 x 43.2 mm (17.3 x 12.2 x 1.7 in)	440 x 310 x 43.2 mm (17.3 x 12.2 x 1.7 in)
Weight	3.78 kg (8.32 lb)	4.11 kg (9.05 lb)	4.93 kg (10.86 lb)	5.03 kg (11.08 lb)
POWER CONSUMPTION				
Max power (worst case, all ports used, full PoE, line-rate traffic) (Watts)	226W	439W	446W	861W
Max power without PoE (worst case, all ports used, line-rate traffic) (Watts)	36W	59W	66W	101W
Iddle power consumption (all ports link-down standby) (Watts)	20W	22.5W	28W	30W
Heat Dissipation (worst case, all ports used, full PoE, line-rate traffic) (BTU/hr)	772.9 BTU/hr	1,501.3 BTU/hr	1,525.32 BTU/hr	2,944.6 BTU/hr
Energy Efficient Ethernet (EEE) IEEE 802.3az	Yes (deactivated by default)			
Fan	2	2	2	3
ENVIRONMENTAL SPECIFICATIONS				
Operating				
Operating temperature	0° to 50°C (32° to 122°F)			
Humidity	90% 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	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 55024			
	CCC			
	47 CFR FCC Part 15, SubpartB, Class A			
	ICES-003: 2016 Issue 6, Class A			
	ANSI C63.4:2014			
	IEC 60950-1:2005 (ed.2)+A1:2009+A2:2013			
	AN/NZS CISPR 22:2009+A1:2010 CLASS A			

Technical Specifications

PRODUCT	GS728TPv2	GS728TPPv2	GS752TPv2	GS752TPP
SAFETY				
Certifications	CB mark, commercial			
	CSA certified (CSA 22.2 #950)			
	UL listed (UL 1950)/cUL IEC 950/EN 60950			
	EN 60950-1: 2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013			
	IEC 60950-1:2005 (ed.2)+A1:2009+A2:2013			
	AN/NZS 60950.1:2015			
	CCC (China Compulsory Certificate)			
WARRANTY AND SUPPORT				
ProSAFE Lifetime Warranty	Included, Lifetime*			
Technical Support via Phone and Email*	90 days			
Lifetime 24x7 Online Chat Technical Support*	Included, Lifetime*			
Lifetime Next-Business-Day (NBD) Replacement	Included, Lifetime*			
ProSUPPORT OnCall 24x7 Service Packs** OnCall 24x7 extends the 90-day phone and email warranty entitled technical support for standard and advanced features to the length of the contract term.	Category 1: PMB0311 (1 yr.) PMB0331 (3 yrs.) PMB0351 (5 yrs.)	Category 1: PMB0311 (1 yr.) PMB0331 (3 yrs.) PMB0351 (5 yrs.)	Category 2: PMB0312 (1 yr.) PMB0332 (3 yrs.) PMB0352 (5 yrs.)	Category 2: PMB0312 (1 yr.) PMB0332 (3 yrs.) PMB0352 (5 yrs.)
PACKAGE CONTENT				
All Models	Smart Managed Pro Switch			
	AC Power cord with C13 connector (localized to region of sale)			
	Brackets and screws for rack mounting			
	Rubber footpads for tabletop installation			
	Rubber protection caps, which are already installed in the SFP sockets			
	Installation guide			
	Resource CD with Smart Control Center utility software and links to additional online documentation including the Hardware installation guide, the Web browser-based management GUI User Manual and datasheet			

Ordering Information

ORDERING INFORMATION	
GS728TP-200NAS	North America, Latin America
GS728TP-200EUS	Europe
GS728TP-200AJS	Asia Pacific and Australia
GS728TP-200INS	India
GS728TPP-200NAS	North America, Latin America
GS728TPP-200EUS	Europe
GS728TPP-200AJS	Asia Pacific and Australia
GS728TPP-200INS	India
GS752TP-200NAS	North America, Latin America
GS752TP-200EUS	Europe
GS752TP-200AJS	Asia Pacific and Australia
GS752TP-200INS	India
GS752TPP-100NAS	North America, Latin America
GS752TPP-100EUS	Europe
GS752TPP-100AJS	Asia Pacific and Australia
GS752TPP-100INS	India
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

DS- GS728TPv2/GS728TPPv2/GS752TPv2/GS752TPP-0

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