## Gigabit PoE+ Smart Managed Pro Switches

Data Sheet



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

As a leading provider of network equipment for SMBs, NETGEAR<sup>®</sup> 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.

GS728TPv2, GS728TPPv2, GS752TPv2 and GS752TPP

The GS728TPv2, GS728TPv2, 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 GS728TPv2 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

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GS728TPv2, GS728TPPv2, GS752TPv2 and GS752TPP

### Hardware at a Glance

		I	REAR	SIDE		
Model Name	Form-Factor	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

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

## 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		MIPS-34Kc 700MHz			56Gbps				
GS728TPPv2	1.5MB	Single Core 128MB DDR RAM		100	16K MAC 512 ARP	line-rate	1G Copper: <3.35µs	IPv4: 32	512
GS752TPv2	420MAD DDD DAMA Shared		256 VLANs	104Gbps	1G Fiber: <2.5µs	IPv6: 32	512		
GS752TPP		32MB FLASH			line-rate				

## 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

# Gigabit PoE+ Smart Managed Pro Switches

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## GS728TPv2, GS728TPPv2, GS752TPv2 and GS752TPP

### 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.

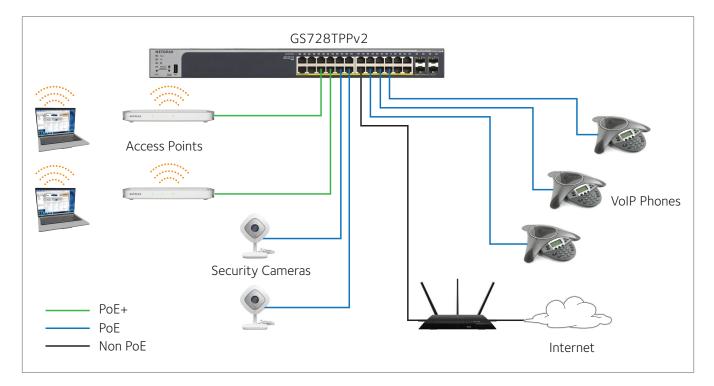
## Gigabit PoE+ Smart Managed Pro Switches

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GS728TPv2, GS728TPPv2, GS752TPv2 and GS752TPP

### Target Application

### Network Convergence



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
- $\cdot\,$  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

# Gigabit PoE+ Smart Managed Pro Switches

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GS728TPv2, GS728TPPv2, GS752TPv2 and GS752TPP

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)		Υ	es		
PERFORMANCE SPECIFICATION					
CPU	MIPS-34Kc 700MHz Single Core				
Packet buffer memory (Dynamically shared across only used ports)		1.5	5 MB		
Forwarding modes		Store-an	d-forward		
Bandwidth	56 Gbps	56 Gbps	104 Gbps	104 Gbps	
Priority queues			8		
Priority queuing		Weighted Rou	nd Robin (WRR)		
MAC address database size (48-bit MAC addresses)		1	6K		
Multicast groups		5	12		
Number of IPv4 static routes			32		
Number of IPv6 static routes			32		
Number of VLANs		2	56		
Number of ARP cache entries		512	2 ARP		
Number of DHCP snooping bindings		2	56		
Access Control Lists (ACLs)		100 shared for MAC, IF	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	
2 SERVICES - VLANS					
IEEE 802.1Q VLAN tagging	Yes				
IP-based VLANs		Υ	′es		
MAC-based VLANs		Υ	′es		
Auto-VoIP VLAN / Auto-Voice VLAN	Yes, based on OUI b	ytes (default database and u	ser-based OUIs) in the phone	e source MAC address	



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GS728TPv2, GS728TPPv2, GS752TPv2 and GS752TPP

PRODUCT	GS728TPv2	GS728TPPv2	GS752TPv2	GS752TPP		
Auto-VoIP	Yes, based on protocols (SIP). Prioritzes traffic to a higher queue					
Voice VLAN	packe		AN ID or 802.1p priority, ecting VoIP phone using LLDI	P-MED.		
Auto-Video VLAN		Υ	és			
GARP with GVRP	Yes					
Private VLAN	Yes					
L2 SERVICES - AVAILABILITY						
Broadcast, multicast, unknown unicast storm control	Yes					
IEEE 802.3ad - LAGs (LACP)		Υ	és			
IEEE 802.3x (full duplex and flow control)		γ	és			
IEEE 802.1D Spanning Tree Protocol		Y	és			
IEEE 802.1w Rapid Spanning Tree Protocol		Υ	és			
IEEE 802.1s Multiple Spanning Tree Protocol		γ	és			
Layer 2 DHCP Relay		Y	les l			
2 SERVICES - MULTICAST FILTERING						
IGMP snooping (v1, v2 and v3)		Y	és			
MLD snooping support (v1 and v2)		Y	és			
IGMP snooping querier (v2)		Y	és			
MLD snooping querier (v1)		Y	és			
Multicast VLAN Registration (MVR)		Y	és			
.3 SERVICES - DHCP						
DHCP client		γ	és			
DHCP snooping		γ	és			
L3 SERVICES - ROUTING						
IPv4 static routing		3	32			
IPv6 static routing		3	32			
VLAN routing		Υ	és			
Host ARP table (number of entries)		512	ARP			
ICMP Router Discovery Protocol (IRDP)		Y	és			
Number of IP VLAN interfaces (routed VLANs)			5			
INK AGGREGATION						
IEEE 802.3ad - LAGs (LACP)	Yes					
Manual Static LAG		Ŷ	és			
# of Static or LACP LAGs # of members in each LAG		16 LAGs with max	8 ports in each LAG			



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GS728TPv2, GS728TPPv2, GS752TPv2 and GS752TPP

PRODUCT	GS728TPv2	GS728TPPv2	GS752TPv2	GS752TPP
NETWORK MONITORING AND DISCOVERY SERVIC	CES			
802.1ab LLDP		Ye	?S	
SNMP		v1, v2	c, v3	
RMON group 1,2,3,9		Ye	25	
NETWORK SECURITY				
IEEE 802.1x		Yı	es	
Guest VLAN		Yi	25	
RADIUS-based VLAN assignment via .1x		Yi	es	
MAC-based .1x		Yi	es	
RADIUS accounting		Ye	es	
Access Control Lists (ACLs)		L2/L3/	_4 ingress	
IP-based ACLs (IPv4 and IPv6)		Yi	es	
MAC-based ACLs		Y	es	
TCP/UDP-based ACLs		Yi	es	
MAC lockdown		Yı	es	
MAC lockdown by the number of MACs		Ye	es	
Control MAC # Dynamic learned entries		40	96	
Control MAC # static entries		4	8	
IEEE 802.1x RADIUS port access authentication		Ye	es	
Port-based security by locked MAC addresses		Ye	es	
Dynamic ARP inspection		Ye	es	
Broadcast, unicast, multicast DoS protection		Ye	es	
DoS attacks prevention		Ye	es	
QUALITY OF SERVICE (QOS)				
Port-based rate limiting		Yes ingress	and egress	
Port-based QoS		Y	es	
Support for IPv6 fields		Y	es	
DiffServ QoS		Yes in	igress	
IEEE 802.1p COS		Ye	es	
Destination MAC and IP		Ye	es	
IPv4 and v6 DSCP		Ye	es	
IPv4 and IPv6 ToS		Ye	es	
TCP/UDP-based		Yı	es	
Weighted Round Robin (WRR)		Yi	25	
Strict priority queue technology		Ye	es	
Auto-VoIP VLAN / Auto-Voice VLAN	Yes based on OLILh	ytes (default database and us	er-based ()UIs) in the phone	e source MAC address



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GS728TPv2, GS728TPPv2, GS752TPv2 and GS752TPP

PRODUCT	GS728TPv2	GS728TPPv2	GS752TPv2	GS752TPP		
Auto-VoIP	Yes, based on protocols (SIP). Prioritzes traffic to a higher queue					
Voice VLAN	pack	Yes, based on either VL/ ets are passed onto the conne	AN ID or 802.1p priority, ecting VoIP phone using LLD	IP-MED		
Auto-Video VLAN		Y	es			
EEE NETWORK PROTOCOLS						
<ul> <li>IEEE 802.3 Ethernet</li> <li>IEEE 802.3u 100BASE-T</li> <li>IEEE 802.3ab 1000BASE-T</li> <li>IEEE 802.3af PoE</li> <li>IEEE 802.3at PoE+</li> <li>IEEE 802.3az Energy Efficient Ethernet (EEE)</li> <li>IEEE 802.3ad Trunking (LACP)</li> <li>IEEE 802.3z Gigabit Ethernet 1000BASE-SX/LX</li> <li>IEEE 802.3x Full-Duplex Flow Control</li> </ul>	<ul> <li>IEEE 802.1Q VLAN Tagging</li> <li>IEEE 802.1AB LLDP with ANSI/TIA-1057 (LLDP-MED)</li> <li>IEEE 802.1p Class of Service</li> <li>IEEE 802.1D Spanning Tree (STP)</li> <li>IEEE 802.1s Multiple Spanning Tree (MSTP)</li> <li>IEEE 802.1w Rapid Spanning Tree (RSTP)</li> <li>IEEE 802.1x RADIUS Network Access Control</li> </ul>					
MANAGEMENT						
Password management		Ŷ	es			
Configurable management VLAN		Ŷ	es			
Admin access control via RADIUS and TACACS+		Ŷ	es			
IPv6 management		Y	es			
SNTP client over UDP port 123		Y	es			
SNMP v1/v2c		Y	es			
SNMP v3 with multiple IP addresses		Y	es			
RMON group 1,2,3,9		Y	es			
Port mirroring		Yes ingress	and egress			
Many-to-one port mirroring	28	28	52	52		
Web browser-based graphical user interface (GUI)		Y	es			
Smart Control Center (SCC) for multi-switch management		Y	es			
Dual software (firmware) image		Y	es			
Cable test utility		Y	es			
TLS/HTTPS Web-based access (version)		Yes (	v1.2)			
File transfers (uploads, downloads)		TFTP	/ HTTP			
HTTP upload/download (firmware)	Yes					
Syslog (RFC 3164)		Ŷ	es			
USB port for firmware and config upload/ download		Ŷ	es			



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GS728TPv2, GS728TPPv2, GS752TPv2 and GS752TPP

PRODUCT	GS728TPv2	GS728TPPv2	GS752TPv2	GS752TPP			
LEDS							
Per port		Speed, Link, Activity; c	or PoE in different mode				
Per device		Power, Fa	n, 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 (deactiva	ted by default)				
Fan	2	2	2	3			
ENVIRONMENTAL SPECIFICATIONS							
Operating							
Operating temperature		0° to 50°C (3	32° to 122°F)				
Humidity		90% maximum relative hur	nidity (RH), non-condensing				
Altitude		10,000 ft (3,0	00 m) maximum				
Storage							
Storage temperature		-20° to 70°C	(– 4° to 158°F)				
Humidity		95% maximum relative h	numidity, non-condensing				
Altitude		10,000 ft (3,0	00 m) maximum				
ELECTROMAGNETIC EMISSIONS AND IMMUNIT	Υ						
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						
	ССС						
	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 22:20	09+A1:2010 CLASS A				

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GS728TPv2, GS728TPPv2, GS752TPv2 and GS752TPP

GS728TPv2	GS728TPPv2	GS752TPv2	GS752TPP				
	CB mark, commercial						
	CSA certified (CSA 22.2 #950)						
	UL listed (UL 1950)/cUL IEC 950/EN 60950						
EN 60	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)							
		CB mark, c CSA certified (C UL listed (UL 1950)/ct EN 60950-1: 2006 + A11:2009 + IEC 60950-1:2005 (ed AN/NZS 60	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 IEC 60950-1:2005 (ed.2)+A1:2009+A2:2013 AN/NZS 60950.1:2015				

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



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GS728TPv2, GS728TPPv2, GS752TPv2 and GS752TPP

### **Ordering Information**

ORDERING INFORMATION		
GS728TP-200NAS	North America, Latin America	
GS728TP-200EUS	Europe	
G\$728TP-200AJS	Asia Pacific and Australia	
G\$728TP-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	

<sup>+</sup> NETGEAR #1 in Fixed Web(Smart)-Managed Worldwide Market Share according to IHS Infonetics Ethernet Switches Market Share and Forecast, 1Q17 Edition, Dec 2016.

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