



GS728TPv2, GS728TPPv2,
GS752TPPv2, GS752TPP

Product Transition Notification for NETGEAR® GS728TP, GS728TPP and GS752TP Smart Managed Pro Switches

Notification Date: May 9, 2018

Here at NETGEAR® our primary channel and customer focus is to drive solution-based innovation with our advanced commercial Switching, Storage and Wireless portfolio. To support this drive, we are releasing a new version of GS728TP, GS728TPP and GS752TP switches: NETGEAR® GS728TPv2, GS728TPPv2, GS752TPv2 and new GS752TPP Gigabit PoE+ Smart Managed Pro Switches.

NETGEAR is committed to bringing world-class products and support to our customers. The current GS728TP, GS728TPP and GS752TP switches will be replaced with this new generation of Smart Managed Pro Switches (GS728TPv2, GS728TPPv2, GS752TPv2 and new GS752TPP) that offers customers minimized system acoustic noise, support of PoE+ 802.3at across all ports and a superior level of Layer 2+ software.

Forecasted Key Milestones:

Date of first availability and customers' receipt of new products: **May 9, 2018**

Date new products should be the only remaining alternative for customers: **March 31, 2019**

Affected Products/NETGEAR Ordering SKU Numbers

Old Model	Old Port Count	OLD LIST PRICE	EOL Date	End of Sale Date	New Model	New Port Count	NEW LIST PRICE	Customer Benefits
GS728TP GS728TP-100NAS (or EUS, AJS, INS, PRS)	24x1G PoE 192W (8 PoE+) and 4xSFP	\$656.00	3-Sep-18	31-Mar-19	GS728TPv2 GS728TP-200NAS (or EUS, AJS, INS)	24x1G PoE+ 190W and 4xSFP	\$592.76	Minimized system acoustic noise: Starting at 31dBA with GS728TPv2 at 25°C (77°F) ambient with max PoE Future-proofing: All ports now PoE+ (30W) and IPv6-ready with IPv6 static routing Increased security against spoofing attacks: DAI (Dynamic ARP Inspection) Easier Multicast in VLAN environments: MVR (Multicast VLAN Registration)
GS728TPP GS728TPP-100NAS (or EUS, AJS, INS, PRS)	24x1G PoE+ 384W and 4xSFP	\$779.95			GS728TPPv2 GS728TPP-200NAS (or EUS, AJS, INS)	24x1G PoE+ 380W and 4xSFP	\$779.95	
GS752TP GS752TP-100NAS (or EUS, AJS, INS, PRS)	48x1G PoE 384W (8 PoE+) and 4xSFP	\$935.94			GS752TPv2 GS752TP-200NAS (or EUS, AJS, INS)	48x1G PoE+ 380W and 4xSFP	\$935.94	
-	-	-	-	-	GS752TPP GS752TPP-100NAS (or EUS, AJS, INS)	48x1G PoE+ 760W and 4xSFP	\$1,247.93	

The "Date new products should be the only remaining alternative for customers" is the projected date all existing current version GS728TPv1, GS728TPPv1 and GS752TPv1 material inventory should be depleted in all regions. The dates are only approximate and are determined by the projected transition plan between the current version material inventory and new product materials, sales trends in NETGEAR distribution, and the inventory levels in different regions. The dates above ultimately may vary for different customers, and customers may be able to order and receive current version materials until existing inventory has been depleted.

Feature Traceability

MODEL	GS728TP	GS728TPP	GS752TP	GS728TPv2	GS728TPPv2	GS752TPv2	GS752TTP
GENERAL							
IEEE 802.3x Flow Control	✓	✓	✓	✓	✓	✓	✓
Auto Negotiation	✓	✓	✓	✓	✓	✓	✓
Smart Control Center	SCC 1.1	SCC 1.1	SCC 1.1	SCC 1.1	SCC 1.1	SCC 1.1	SCC 1.1
Software Version	6.0.1.x	6.0.1.x	6.0.1.x	6.0.0.31	6.0.0.31	6.0.0.31	6.0.0.31
Web GUI Support	Legacy Web GUI	Legacy Web GUI	Legacy Web GUI	New Web GUI	New Web GUI	New Web GUI	New Web GUI
Device View in Web GUI	Java applet	Java applet	Java applet	HTML (no Java)	HTML (no Java)	HTML (no Java)	HTML (no Java)
IP Address on Label	192.168.0.239	192.168.0.239	192.168.0.239	192.168.0.239	192.168.0.239	192.168.0.239	192.168.0.239
System "Admin" Password	✓	✓	✓	✓	✓	✓	✓
DHCP Client	✓	✓	✓	✓	✓	✓	✓
IP Access List (Web GUI Management)	✓	✓	✓	✓	✓	✓	✓
IPv6 Management	✓	✓	✓	✓	✓	✓	✓
# of 1G Copper # of 1G Fiber (Dedicated)	24 Copper 4 Fiber	24 Copper 4 Fiber	48 Copper 4 Fiber	24 Copper 4 Fiber	24 Copper 4 Fiber	48 Copper 4 Fiber	48 Copper 4 Fiber
MAC ADDRESS							
Static MAC	✓	✓	✓	✓	✓	✓	✓
Dynamic MAC	✓	✓	✓	✓	✓	✓	✓
Max MAC Entries (48-bit MAC addresses)	8K	8K	8K	16K	16K	16K	16K
VLAN							
802.1Q Based	✓	✓	✓	✓	✓	✓	✓
VLAN (# Supported)	256	256	256	256	256	256	256
Management VLAN	Configurable	Configurable	Configurable	Configurable	Configurable	Configurable	Configurable
Auto-Voice VLAN	✓	✓	✓	✓	✓	✓	✓
Auto-Video VLAN	X	X	X	✓	✓	✓	✓
MAC Based VLAN	X	X	X	✓	✓	✓	✓
Protocol Based VLAN	X	X	X	✓	✓	✓	✓
GARP	X	X	X	✓	✓	✓	✓
GVRP	X	X	X	✓	✓	✓	✓
MVR (Multicast VLAN Registration)	X	X	X	✓	✓	✓	✓
VLAN Routing	✓	✓	✓	✓	✓	✓	✓
VLAN Routing IP Interfaces	15	15	15	15	15	15	15
LINK AGGREGATION							
Static LAG	✓	✓	✓	✓	✓	✓	✓
# of LAGs & # of Members	8 LAGs/ 8 ports each	8 LAGs/ 8 ports each	8 LAGs/ 8 ports each	16 LAGs/ 8 ports each	16 LAGs/ 8 ports each	16 LAGs/ 8 ports each	16 LAGs/ 8 ports each
802.3ad Dynamic Link Aggregation (LACP)	✓	✓	✓	✓	✓	✓	✓

Feature Traceability

MODEL	GS728TP	GS728TPP	GS752TP	GS728TPv2	GS728TPPv2	GS752TPv2	GS752TPP
QOS							
# of priority Queues	4	4	4	8	8	8	8
WRR, Strict Priority, or Both	Both	Both	Both	Both	Both	Both	Both
802.1p Based (CoS)	✓	✓	✓	✓	✓	✓	✓
DSCP	✓	✓	✓	✓	✓	✓	✓
Port-based Rate Limiting (CoS Interface Shaping)	Ingress and egress	Ingress and egress	Ingress and egress	Ingress and egress	Ingress and egress	Ingress and egress	Ingress and egress
TCP/UDP	✓	✓	✓	✓	✓	✓	✓
DiffServ	✓	✓	✓	✓	✓	✓	✓
IPv6 QoS	✓	✓	✓	✓	✓	✓	✓
LATENCY							
Copper Ports (64 byte packet size) Speed/Latency	1G: 3,148us	1G: 3.528us	1G: 4.648us	1G: 3.388μs	1G: 3.388μs	1G: 3.614μs	1G: 3.614μs
Fiber Ports (64 byte packet size) Speed/Latency	1G: 4,188us	1G: 3.548us	1G: 6.608us	1G: 3.204μs	1G: 3.204μs	1G: 2.980μs	1G: 2.980μs
SPANNING TREE							
IEEE 802.1D Spanning Tree Protocol (STP)	✓	✓	✓	✓	✓	✓	✓
IEEE 802.1w Rapid Spanning Tree Protocol (RSTP)	✓	✓	✓	✓	✓	✓	✓
IEEE 802.1s Multiple Spanning Tree Protocol (MSTP)	✓	✓	✓	✓	✓	✓	✓
Enable/Disable BPDU Flooding When STP is Disabled	✓	✓	✓	✓	✓	✓	✓
SECURITY							
MAC Lockdown	✓	✓	✓	✓	✓	✓	✓
MAC Lockdown by the Number MACs	✓	✓	✓	✓	✓	✓	✓
802.1x	✓	✓	✓	✓	✓	✓	✓
802.1x Authentication Methods	EAP	EAP	EAP	EAP	EAP	EAP	EAP
Guest VLAN	✓	✓	✓	✓	✓	✓	✓
Dynamic VLAN Assignment	in switch mode only	in switch mode only	in switch mode only	✓	✓	✓	✓
MAC-based .1x	✓	✓	✓	✓	✓	✓	✓
RADIUS Accounting	✓	✓	✓	✓	✓	✓	✓
Dynamic ARP Inspection	X	X	X	✓	✓	✓	✓
Control MAC # Dynamic learned entries	600	600	600	4096	4096	4096	4096
Control MAC # Static entries	600	600	600	48	48	48	48
TACACS+	✓	✓	✓	✓	✓	✓	✓

Feature Traceability

MODEL	GS728TP	GS728TPP	GS752TP	GS728TPv2	GS728TPPv2	GS752TPv2	GS752TPP
HTTPS SSL Version	2	2	2	2	2	2	2
HTTPS TLS Version	1	1	1	1	1	1	1
Private VLAN	X	X	X	√	√	√	√
ACL							
MAC (Trusted MAC)	√	√	√	√	√	√	√
IP ACL	√	√	√	√	√	√	√
IPv6 ACL	√	√	√	√	√	√	√
L4 ACL	√	√	√	√	√	√	√
Number of and type of ACLs	164 shared (ingress)	164 shared (ingress)	164 shared (ingress)	100 shared (ingress)	100 shared (ingress)	100 shared (ingress)	100 shared (ingress)
MULTICAST							
Static	√	√	√	√	√	√	√
IGMP Snooping v1	√	√	√	√	√	√	√
IGMP Snooping v2	√	√	√	√	√	√	√
IGMP Snooping v3	√	√	√	√	√	√	√
Max Multicast Groups	1024	1024	1024	512	512	512	512
IGMP Snooping Querier (v2)	√	√	√	√	√	√	√
MLD Snooping	√	√	√	√	√	√	√
SNMP							
v1/v2c	√	√	√	√	√	√	√
v3	√	√	√	√	√	√	√
Standard MIBs RFC1213, RFC1643, RFC1493	√	√	√	√	√	√	√
ifTable	√	√	√	√	√	√	√
RMON Group 1, 2, 3, 9	√	√	√	√	√	√	√
P-BRIDGE-MIB, Q-BRIDGE-MIB	√	√	√	√	√	√	√
FILE MANAGEMENT							
FW Upgrade Thru Smart Control Center (TFTP)	√	√	√	√	√	√	√
Firmware Upload/Download Thru TFTP	√	√	√	√	√	√	√
Firmware Upload/Download Thru HTTP	√	√	√	√	√	√	√
Config Upload/Download Thru TFTP	√	√	√	√	√	√	√
Config Upload/Download Thru HTTP	√	√	√	√	√	√	√
USB Port (Firmware and Config Upload/Download)	X	X	X	√	√	√	√

Feature Traceability

MODEL	GS728TP	GS728TPP	GS752TP	GS728TPv2	GS728TPPv2	GS752TPv2	GS752TPP
LOGGING							
Memory & FLASH Log	✓	✓	✓	✓	✓	✓	✓
Syslog (Server)	✓	✓	✓	✓	✓	✓	✓
PORT MIRRORING/ MONITORING							
Outbound (Egress)	✓	✓	✓	✓	✓	✓	✓
Inbound (Ingress)	✓	✓	✓	✓	✓	✓	✓
Both Egress and Ingress	✓	✓	✓	✓	✓	✓	✓
Mirroring Port Can Still Work Normally	No	No	No	No	No	No	No
Max Number of Source Ports Allowed (Many to 1)	8	8	8	28	28	52	52
PERFORMANCE FEATURES							
Bandwidth (Non-Blocking Fabric) (Gbps)	56	56	104	56	56	104	104
Packet Forwarding Rate (64 byte packet size) (Mpps)	41.664	41.664	77.38	41.664	41.664	77.38	77.38
Jumbo Frame Size (Bytes)	10,240	10,240	10,240	10,000	10,000	10,000	10,000
MISCELLANEOUS FEATURES							
Broadcast Storm Control	✓	✓	✓	✓	✓	✓	✓
Broadcast, multicast, unknown unicast storm control	✓	✓	✓	✓	✓	✓	✓
LLDP (802.1ab)	✓	✓	✓	✓	✓	✓	✓
LLDP-MED	✓	✓	✓	✓	✓	✓	✓
Cable test utility/diagnostics	✓	✓	✓	✓	✓	✓	✓
Dual Image	✓	✓	✓	✓	✓	✓	✓
SNTP	✓	✓	✓	✓	✓	✓	✓
Enable/Disable EAPOL Flooding When .1x Disabled	✓	✓	✓	✓	✓	✓	✓
Protected Port	✓	✓	✓	✓	✓	✓	✓
DoS (Denial of Service) Prevention	✗	✗	✗	✓	✓	✓	✓
Number of DHCP Snooping Bindings	256	256	256	256	256	256	256
L2 DHCP Relay	✗	✗	✗	✓	✓	✓	✓
L3 DHCP Relay	✗	✗	✗	✗	✗	✗	✗
DNS Client	✓	✓	✓	✓	✓	✓	✓
PING	✓	✓	✓	✓	✓	✓	✓
Traceroute	✓	✓	✓	✓	✓	✓	✓

Feature Traceability

MODEL	GS728TP	GS728TPP	GS752TP	GS728TPv2	GS728TPPv2	GS752TPv2	GS752TPP
Multi-language GUI	X	X	X	✓	✓	✓	✓
Auto-VoIP (based on protocols: SIP, H323 and SCCP)	✓	✓	✓	✓	✓	✓	✓
ROUTING							
IPv4 Static Routes	32	32	32	32	32	32	32
IPv6 Static Routes	X	X	X	32	32	32	32
Host ARP Table	100	100	100	512	512	512	512
VLAN Routing IP Interfaces	15	15	15	15	15	15	15
Router Discovery (IRDP)	X	X	X	✓	✓	✓	✓
UPLINKS/FIBER PORTS							
Number of Copper (Standard) Ports	24	24	48	24	24	48	48
Number of Dedicated Fiber Ports	4	4	4	4	4	4	4
Fiber Port Type	SFP	SFP	SFP	SFP	SFP	SFP	SFP
GBIC Modules Supported	AFM735 AGM731F AGM732F AGM734	AFM735 AGM731F AGM732F AGM734	AFM735 AGM731F AGM732F AGM734	AGM731F AGM732F AGM734	AGM731F AGM732F AGM734	AGM731F AGM732F AGM734	AGM731F AGM732F AGM734
POE							
# of PoE (802.3af) Ports	24	24	48	24	24	48	48
# of PoE+ (802.3at) Ports	8	24	8	24	24	48	48
Total PoE Power Budget (Watts), Without RPS	192W	384W	384W	190W	380W	380W	760W
PoE Power Usage Metering	X	X	X	✓	✓	✓	✓
PoE Power Priority Setting	✓	✓	✓	✓	✓	✓	✓
PoE Timer	✓	✓	✓	✓	✓	✓	✓
Dynamic PoE Budget Allocation	✓	✓	✓	✓	✓	✓	✓
RPS Support: RPS Mode, Max Power of PoE With RPS	X	720W	X	X	X	X	X
GREEN ETHERNET							
Short Cable Power Reduction	✓	✓	✓	X	X	X	X
Auto Power Down	✓	✓	✓	✓	✓	✓	✓
IEEE 802.3az Energy Efficient Ethernet	✓	✓	✓	✓	✓	✓	✓

Feature Traceability

MODEL	GS728TP	GS728TPP	GS752TP	GS728TPv2	GS728TPPv2	GS752TPv2	GS752TPP
POWER							
Internal/External	Internal 100-240VAC 50-60Hz	Internal 100-240VAC 50-60Hz	Internal 100-240VAC 50-60Hz	Internal AC 100- 240VAC 50/60Hz, 5A	Internal AC 100- 240VAC 50/60Hz, 6A	Internal AC 100- 240VAC 50/60Hz, 6A	Internal AC 100- 240VAC 50/60Hz, 12A
Power Consumption Max (Watts)	76W (no PoE) 264.0W (with PoE max)	99.5 W (no PoE) 483.5W (with PoE max)	128.8W (no PoE) 512.8W (with PoE max)	36W (no PoE) 226W (with PoE max)	59W (no PoE) 439W (with PoE max)	66W (no PoE) 446W (with PoE max)	101W (no PoE) 861W (with PoE max)
Heat Dissipation (Max and Min) (BTU/hr)	Max: 259.31 (no PoE) Max: 900.77 (PoE Max)	Max: 339.49 (no PoE) Max: 1,649.70 (PoE Max)	Max: 439.47 (no PoE) Max: 1,749.67 (PoE Max)	Max: 68.40 (no PoE) Max: 772.90 (PoE Max)	Max: 76.95 (no PoE) Max: 1,501.30 (PoE Max)	Max: 95.76 (no PoE) Max: 1,525.32 (PoE Max)	Max: 102.6 (no PoE) Max: 2,944.60 (PoE Max)
HW MISCELLANEOUS							
Flash Size (MB)	32	32	32	32	32	32	32
RAM Size (MB)	128	128	128	128	128	128	128
Packet Buffer Size	1 MB	1 MB	1 MB	1.5MB	1.5MB	1.5MB	1.5MB
Form-factor/Mounting (Desktop, Wall, Rack)	Desktop, Rack-mount	Desktop, Rack-mount	Desktop, Rack-mount	Desktop, Rack-mount	Desktop, Rack-mount	Desktop, Rack-mount	Desktop, Rack-mount
Fan	2	2	2	2	2	2	3
Acoustic Noise Level @25°C (dBA)	31.8 dBA	31.8 dBA	44.9 dBA	31dBA	35dBA	38dBA	43dBA
Operating Temperature	0° to 50° C	0° to 50° C	0° to 50° C	0° to 50° C	0° to 50° C	0° to 50° C	0° to 50° C
Storage Temperature	-40° to 70° C	-40° to 70° C	-40° to 70° C	-20° to 70° C	-20° to 70° C	-20° to 70° C	-20° to 70° C
Storage Humidity (RH)	0 - 95% (RH)	0 - 95% (RH)	0 - 95% (RH)	0 - 95% (RH)	0 - 95% (RH)	0 - 95% (RH)	0 - 95% (RH)
MTBF (hours) at 25° C	345,901 hrs	247,163 hrs	220,447 hrs	1,250,365 hrs	1,071,896 hrs	1,737,411 hrs	1,107,549 hrs
Weight	3.73 kg (8.22 lb)	4.36 kg (9.61 lb)	5.10 kg (11.24 lb)	3.77 kg (8.33 lb)	4.11 kg (9.07 lb)	4.93 kg (10.87 lb)	5.03 kg (11.08 lb)
Dimensions (W x D x H)	440 x 257 x 44 mm (17.3 x 10.1 x 1.7 in)	440 x 257 x 44 mm (17.3 x 10.1 x 1.7 in)	440 x 316 x 43 mm (17.3 x 12.4 x 1.7 in)	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)
Electromagnetic Compliance (Class A or B)	A	A	A	A	A	A	A