

## 24-Port Gigabit PoE+ Smart Managed Pro Switch with 2 SFP Ports and Cloud Management



In US & Europe Market Share according to NPD and Counter, September 2019

### Going Gigabit and PoE+ Just Got More Cost-Effective!

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

The GS724TPv2 and GS724TPP 24-Port Gigabit Switch with PoE+ and 2 SFP Ports join the NETGEAR Standalone Smart Managed Pro Switches family, adding full 24 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 (GS724TPv2) or 380W (GS724TPP).

NETGEAR Smart Managed Pro Switches offer powerful Layer 2 features, great PoE functionality, and enhanced performance and usability. These switches are the ideal solution even for the most advanced small and medium organizations looking for the best combination of features, performance, and value: they are purposely designed for converged networks where voice, video, data are all carried on a single network platform. Temperature- and load-based fan-speed control combines accurate monitoring with minimized system acoustic noise: the GS724TPv2 and GS724TPP support quiet

rack mounting operation with a maximum of 32.4 dBA (GS724TPv2) and 35.0 dBA (GS724TPP) even at full power and 25°C (77°F) ambient.

To empower the PoE applications, NETGEAR Insight Remote/Cloud Management is added to these two new switch models as an optional management mode. By activating the NETGEAR Insight Cloud management, the users will enable management features allowing businesses simpler configuration and deployment from anywhere using the NETGEAR Insight app from mobile devices or the Insight Cloud Portal from any device with a web browser.

## Highlights

### More Powerful Switch for High Power Devices

- 24 x PoE+ Gigabit ports with 190W PoE budget (GS724TPv2) or 380W PoE budget (GS724TPP)
- 2 dedicated Gigabit SFP fiber uplink ports

### Fast and flexible solution for SMB data, voice and video converged network

- Non-blocking switching with 52Gbps
- Flexible rack-mounting option

### Powerful Connectivity and Security

- Advanced 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

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- 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
- Egress Rate limiting and priority queuing for better bandwidth allocation
- Port mirroring for network monitoring
- Energy Efficient Ethernet (IEEE 802.3az) for maximum power savings
- IPv6 management: IPv6 QoS, IPv6 ACL, IPv6 Multicast, and static and dynamic IPv6 address assignment
- Cable test to troubleshoot connection issues

- Easy-to-use Web browser-based management GUI available in English, German and Japanese
- SNMP v1, v2c, v3 and RMON remote monitoring

### Fully-integrated cloud-manageable devices

Remote/Cloud Management capability with NETGEAR Insight. Instantly activate NETGEAR Insight Cloud management from the web GUI, given they subscribe to Basic (first 2 devices free), Premium or Insight Pro (Insight Pro is for resellers/ MSP only)

### Smart IT, not Big IT

- Easy to manage via web-based Management interface or Smart Control Center on Windows PC for multi-switch deployment

- NETGEAR Insight remote/cloud management, monitoring and maintenance using the NETGEAR Insight mobile app or Insight Cloud Portal for network-level management
- NETGEAR Switch Discovery Tool (NSDT) to discover, register and access to the local browser interface to configure the switches
- Network Management System (NMS300), allowing all NETGEAR business products to be deployed and managed through this single interface

### NETGEAR Quality and Reliability

- Worry-free Limited Lifetime Warranty\*, online technical chat support and Next Business Day (NBD) replacement.



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### Hardware at a Glance

		FRONT			REAR	SIDE
Model Name	Form-Factor	10/100/1000BASE-T RJ-45 Copper Ports	1G SFP Uplink	PoE+ 802.3 at Ports (Budget)	Power Supply (PoE Budget)	Fans
GS724TPv2	Rack mount	24	2	24 (190W)	1 internal PSU, fixed	2 internal fans, fixed
GS724TPP	Rack mount	24	2	24 (380W)	1 internal PSU, fixed	3 internal fans, fixed

### Software at a Glance

LAYER 2+ / LAYER 3 Lite FEATURES							
Device Management	Network-wide Management (Insight Management)	PoE Control Features	IPv4/IPv6 ACL and QoS	IPv4/IPv6 Multicast Filtering	VLANs	Convergence	Link Aggregation
Web Browser-based GUI (HTTP/HTTPS) PC-Based Smart Control Center Utility (SCC) RMON, SNMP NETGEAR Insight mobile app or Insight Cloud Portal for local/remote/anywhere management from your mobile device, PC, Mac, or tablet	Centralized network configuration (policies) Auto-join & configure (zero-touch provisioning) Mult-site, multi-network single pane-of-glass view Multi-switch/multi-port concurrent configuration	PoE on/off Dynamic PoE budget allocation PoE power priority setting PoE Power Usage Metering PoE scheduling	L2, L3, L4, ingress	IGMP Snooping, Querier	Static, Dynamic, VoIP, Voice, 8K Max MAC (64 VLANs)	LLDP-MED, RADIUS, 802.1X	LACP and Manual Static LAGs (up to 8 LAGs with max 8 members)

### Performance at a Glance

Model Name	Packet buffer	CPU	ACLs	MAC Address Table VLANs	Fabric	Latency (64-byte packets)	Multicast IGMP Groups
GS724TPv2	512 KB	500 Mhz MIPS-4KEc CPU 128MB RAM 32MB SPI FLASH	100 shared (ingress)	8K MAC 64 VLANs	52 Gbps line-rate	1G Copper: < 3.749 μs;	128
GS724TPP						1G Fiber: < 3.129 μs	
						1G Copper: < 3.563 μs; 1G Fiber: < 2.574 μs	

### Ordering Information

Model Name	Americas	Europe	Asia Pacific	India	China
GS724TPv2	GS724TP-200NAS	GS724TP-200EUS	GS724TP-200EUS	GS724TP-200INS	GS724TP-200PRS
GS724TPP	GS724TPP-100NAS	GS724TPP-100EUS	GS724TPP-100EUS	GS724TPP-100INS	NA

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### Features and Benefits

Hardware Features	
Fully-integrated Cloud-manageable Devices	Require no additional hardware (cloud keys, network portals, local servers, VPN or proxy appliances etc) to directly connect to the cloud and allow remote management. No additional hardware or software. Just switch to Insight Cloud Management mode through Web browser-based User Interface and go.
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	Two dedicated Gigabit SFP ports for aggregation to the network core. Support for Fiber and Copper modules.
Low Acoustics	Temperature- and load-based fan-speed control allow for quiet operation in both desktop or rack mount configuration.
Energy Efficient Ethernet (IEEE 802.3az)	Maximum power reduction for ongoing operation cost savings.
Desktop and rack mount (kit available)	Flexible deployment on desktop and also support rack mount.
Kensington Lock Slot	Prevent theft, removal, or tampering when used for desktop deployment.
Software Features	
Remote setup, management, and monitoring anywhere, anytime, from your mobile device, PC, Mac, or tablet	Locally or remotely setup, configure, manage, monitor or even trouble-shoot your network from anywhere, anytime. Check network status, view dashboards for network health and activity, power cycle PoE ports, etc, and update firmware remotely. No need to be on-site, open up ports to your network, or VPN into it.
Auto-join and Configure (Zero-Touch Provisioning)	Additional Insight Managed devices added to the network automatically inherit settings and configuration.
Multi-site, Multi-network Single Pane-of-Glass View	View and configure multiple networks across multiple sites, all from one single app; NETGEAR Insight.
Comprehensive IPv6 Support for Management, ACLs and QoS	Build current network with future in mind. Ensure investment protection and a smooth migration to an IPv6-based network without switch replacement.
Robust security features: <ul style="list-style-type: none"> <li>• 802.1x authentication (EAP)</li> <li>• Port-based security by locked MAC</li> </ul>	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: <ul style="list-style-type: none"> <li>• Port-based or VLAN 802.1p-based prioritization</li> <li>• Layer 3-based (DSCP) prioritization</li> <li>• Port-based egress rate limiting</li> </ul>	Advanced controls for optimized network performance and better delivery of mission-critical traffic such as voice and video.
Auto-VoIP and Auto-Voice VLAN	Automatic Voice over IP prioritization (Auto-VoIP) simplifies most complex multi-vendor IP telephone deployments either based 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.
IGMP 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.