

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 24-Port Gigabit Switch with PoE+ and 2 SFP Ports joins 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.

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 supports quiet rack mounting operation with a maximum of 32.4dB even at full power and 25°C (77°F) ambient.

Highlights

The GS724TPv2 24-Port Gigabit Smart Managed Pro Switch provides a great value, with configurable L2 network features like VLANs and PoE operation scheduling, allowing SMB customers to deploy PoE-based VoIP phones and IP surveillance. Advanced features such as Access Control Lists (ACLs), L2/L3/L4 QoS (DiffServ), LACP link aggregation and Spanning Tree will satisfy even the most advanced small business networks.

Key features include:

- 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 (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
- 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 high-value network with NETGEAR:

- Solid performance with 52Gbps non-blocking architecture, 8K MAC addresses, 256 VLANs, 100 shared ACLs and 128 Multicast groups
- PoE+ support on all ports, providing flexibility in the future to add more power-hungry devices such as video phone, PTZ camera and 11ac Wireless APs into the network
- 2 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



Hardware at a Glance

	FRONT				REAR	SIDE
Model Name	Form-Factor	10/100/1000BASE-T RJ45 Ports	1000BASE-X Fiber SFP Ports	PoE+ 802.3at Ports (Budget)	Power Supply	Fans
GS724TPv2	Rackmount	24	2	24 PoE+ (190W)	1 internal PSU, fixed	2 internal fans, fixed



GS724TPv2: 24-port Gigabit PoE+ Smart Managed Pro Switch

- 24 x 1000BASE-T PoE+ Copper ports
- 2 x 1000BASE-X Dedicated Fiber SFP ports
- 190W PoE budget (max 32.4dB @ 25° C / 77° F ambient)

Software at a Glance

LAYER 2 FEATURES						
Management	IPv4 ACL and QoS	IPv4 Multicast Filtering	Auto-VoIP	IEEE (802.3az) Energy Efficient Ethernet	VLANs	Convergence
Web Browser-based GUI (HTTP/HTTPS), PC-Based Smart Control Center Utility (SCC) RMON, SNMP	L2, L3, L4 Ingress	IGMP	Yes	Yes	Static, Dynamic, Voice	LLDP-MED, RADIUS, 802.1X

Performance at a Glance

Model Name	Packet buffer	CPU	ACLs	MAC Address Table VLANs	Fabric	Latency (64-byte packets)	Multicast IGMP Groups
GS724TPv2	0.5 MB	500 Mhz MIPS- 4Kec CPU 128MB RAM 32MB SPI FLASH	100 shared	8K MAC 256 VLANs	52Gbps line-rate	1G Copper: <3.749 µs 1G Fiber: <3.129 µs	128

Ordering Information

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



* This product comes with a limited warranty that is valid only if purchased from a NETGEAR authorized reseller, and modifications to product may void the warranty; covers hardware, fans, and internal power supplies – not software or external power supplies; see <http://www.netgear.com/about/warranty/> for details. Lifetime technical support includes basic phone support for 90 days from purchase date and lifetime online chat support when purchased from a NETGEAR authorized reseller.

** The NETGEAR OnCall 24x7 contract provides unlimited phone and email technical support for your networking product. For ProSAFE products purchased prior to 06/2014, also includes next business-day hardware replacement.

† 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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