

Smart Managed Pro Gigabit Ethernet Switches with optional Remote Management



Experience the most versatile and easy to manage switches in the market

As a leading provider of network equipment for SMBs, NETGEAR® understands the importance of reliable and high performance networks. With the growth of virtualization, cloud-based services and applications like VoIP, video streaming and IP surveillance, SMB networks need to extend beyond simple reliability to simpler management and remote monitoring to ensure your network is “always up”.

NETGEAR also understands that small business owners shouldn't have to understand networking and IT; they need a network that's easy-to-setup and is reliable, so they can focus on their business, not their network. To that end, NETGEAR is introducing our most versatile and easy-to-manage switches ever, NETGEAR Smart Managed Pro with optional Remote/Cloud Management Switches.

The Smart Managed Pro Gigabit Ethernet Switches with optional remote/cloud management are the first switches from NETGEAR with anywhere configuration and management.

Using either the NETGEAR Insight app on your mobile device or tablet, or the Insight Cloud Portal from your PC, Mac, or tablet, you can quickly discover, setup, monitor and manage

your Smart Managed Pro Switches from anywhere in the world! With their remote cloud manageability, sleek design silent or whisper-quiet operation, they are the most versatile switches in the market for any environment.

Whether at home, out of the office or on a business trip, you can still manage and monitor your network as if you were right there.

Network-centric configuration and management

NETGEAR Smart Managed Pro switches with optional remote/cloud management and Wireless Access Points using the NETGEAR Insight app allow for cross-device automated configuration of VLANs, QoS, ACLs, and LAGs. Auto-join and configure (zero-touch provisioning) allows for additional devices added seamlessly.

Fully-integrated cloud-manageable devices

NETGEAR Smart Managed Pro switches with optional remote/cloud management are fully-integrated, cloud-manageable, plug-and-play devices. Just connect to your network and without any setup, they're passing traffic. For configuration setup, management, and monitoring, you can use the Insight mobile

app on your mobile device or the Insight Cloud Portal from your PC, Mac, or tablet web browser. No additional cloud controller, appliance, network manager, or on-premise cloud server necessary.

Clean, sleek silent (or whisper-quiet) designs

Select Smart Managed Pro switches with optional remote/cloud management have a modern, clean design, with simple power and cloud connection LEDs on the front. On the back (port side), there are also at-a-glance cloud, power, fan, and PoE max¹ LEDs for quick status monitoring, and on-port LEDs for link/activity and PoE power¹ allow for port-specific connectivity monitoring. GC110, GC110P, and GC510P models are all fanless and silent, while GC510PP has a whisper-quiet fan.

Great choice of non-PoE, PoE and PoE+ options

All models have 8 copper Gigabit Ethernet ports and two 1G SFP fiber ports for uplinks. On PoE/PoE+ models, all 8 gigabit copper ports support PoE or PoE+, with varying PoE power budgets to suit every need.



Hardware at a Glance

	FRONT		REAR			SIDE		
Model Name	Form-Factor	LEDs (System)	100M/1GCopper (RJ-45) Ports	1G SFP Fiber Ports	PoE/PoE+ Ports (Budget)	LEDs (Per Port)	Power Supply	Fans
GC110	Desktop, Wall mount	Cloud, Power	8	2 (dedicated)	N/A	Speed/Link/Activity	External adapter	Fanless
GC110P	Desktop, Wall mount	Cloud, Power, PoE Max	8	2 (dedicated)	8 PoE (62W)	Speed/Link/Activity, PoE	External adapter	Fanless
GC510P	Desktop, Wall mount, Rackmount (kit)	Cloud, Power, PoE Max	8	2 (dedicated)	8 PoE+ (134W)	Speed/Link/Activity, PoE	1 internal PSU, fixed	Fanless
GC510PP	Desktop, Wall mount, Rackmount (kit)	Cloud, Power, PoE Max, Fan	8	2 (dedicated)	8 PoE+ (195W)	Speed/Link/Activity, PoE	1 internal PSU, fixed	1 internal fan, fixed

¹ On PoE models only (GC110P, GC510P, and GC510PP).

Software at a Glance

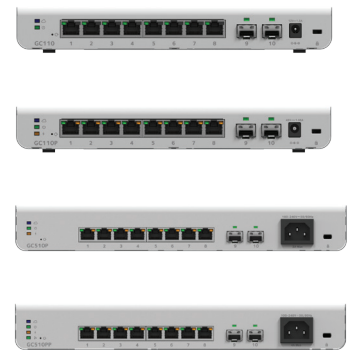
MANAGEMENT		LAYER 2+ / LAYER 3 LITE FEATURES							
Device Management	Network-wide Management	IPv4/IPv6 ACL and QoS	IPv4/IPv6 Multicast Filtering	VLANs	Auto-VoIP, Auto-Video	Convergence	Link Aggregation/ Port Trunking	Jumbo Frame Support	IPv4 & IPv6 Static Routing
Local web browser-based management GUI Optional NETGEAR Insight mobile app or Insight Cloud Portal for local/remote/anywhere management from your mobile device, PC, Mac, or tablet IPv4 & IPv6 management	Centralized network configuration (policies) Auto-join & configure (zero-touch provisioning) Multi-site, multi-network single pane-of-glass view Multi-switch/multi-port concurrent configuration	L2, L3, L4 Ingress	IGMP and MLD Snooping	Static, Dynamic, Voice, Video, MAC, Protocol-based, and Private	Yes	LLDP-MED, RADIUS, 802.1X	LACP and Manual Static LAGs (up to 5 LAGs with max 8 members)	Yes (up to 9,216 packet size)	Yes

Performance at a Glance

Model Name	CPU & Memory	Fabric (Full duplex)	Latency (64-byte Packet)	Packet Buffer	Packet Forwarding Rate (64-byte)	ACLs	MAC Address Table ARP/NDP Table VLANs	Static Routes (IPv4 & IPv6)	Priority Queues	Multicast IGMP Groups
GC110 GC110P GC510P GC510PP	400 MHz Cortex-A9 Single Core, 256MB RAM 8MB SPI + 256 NAND FLASH	20Gbps line-rate	1G Copper: 3.000 µs 1G SFP: 2.000 µs	1.5 MB	14.9 Mfps	100 (shared)	16K MAC (dynamic) 384 ARP/128 NDP 256 VLANs	IPv4: 32 IPv6: 31	8 (WRR)	512

Ordering Information

Model Name	North America and Latin America	Europe	United Kingdom	Australia	Asia Pacific & Japan
GC110	GC110-100NAS	GC110-100PES	GC110-100UKS	GC110-100AUS	GC110-100JPS GC110-100KOS (Korea) GC110-100PRS (China)
GC110P	GC110P-100NAS	GC110P-100PES	GC110P-100UKS	GC110P-100AUS	GC110P-100JPS GC110P-100PRS (China)
GC510P	GC510P-100NAS	GC510P-100EUS	GC510P-100EUS	GC510P-100AJS	GC510P-100AJS
GC510PP	GC510PP-100NAS	GC510PP-100EUS	GC510PP-100EUS	GC510PP-100AJS	GC510PP-100AJS



*This product comes with a limited warranty that is valid only if purchased from a NETGEAR authorized reseller, and covers unmodified hardware, fans and internal power supplies - not software or external power supplies, and requires product registration using the Insight mobile app or Insight Cloud portal within 90 days of purchase; see <https://www.netgear.com/about/warranty> for details. Intended for indoor use only.

**The NETGEAR OnCall 24x7 contract provides unlimited phone, chat and email technical support for your networking product.

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