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 Insight Managed Smart Cloud switches.

The Insight Managed Smart Cloud Gigabit Ethernet Switches 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 Cloud 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 Insight Managed Switches 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 privisioning) allows for additional devices added seamlessly.

Fully-integrated cloud-manageable devices

NETGEAR Insight Managed switches 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

Insight Managed switches 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 max[1] LEDs for quick status monitoring, and on-port LEDs for link/activity and PoE power[1] 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.

More innovative features for the most versatile and easy-to-manage switches in the market

Your network. Anytime. Anywhere.

The NETGEAR Insight Managed Smart Cloud Switches fundamentally change the way you think of networks and IT. Using the NETGEAR Insight app with Insight Managed Smart Cloud Switches and Wireless Access Points provides:

- Instant in-app discovery & set-up
- Local or remote configuration and monitoring from your mobile device, PC, Mac or tablet
- Centralized network configuration polices with auto-join and configure (zero-touch provisioning)
- Multi-site/remote network management and monitoring with single pane-of-glass view
- Multi-switch/multi-port concurrent configuration using the Port Config Wizard

Remote monitoring and management from the palm of your hand!

With the NETGEAR Insight app, you can setup, manage, and monitor your networks from anywhere, anytime, from the palm of your hand on your phone or tablet! Or, for a larger screen experience, you can use the Insight Cloud Portal from your PC, Mac, or tablet web browser.

Build a future-proof network with NETGEAR Insight Managed Switches

- Extensive L2+/L3 Lite switching features including static routing
- Comprehensive IPv6 management, QoS and ACL support, ensuring investment protection and a smooth migration to IPv6-based networking
- Advanced QoS with IPv4/IPv6 ingress traffic filtering (ACLs) and prioritization (QoS)
- Dynamic VLAN assignment for easy user authentication and location independent access to network
- Up to 195W PoE power, with the flexibility to add power-hungry devices such as 11ac Wireless APs, VoIP voice and video phones, security/surveillance cameras including PTZ, and other IoT devices
- Advanced per-port PoE controls (set specific power budget per port in addition to automatic class-defined) and PoE scheduling on PoE models

NETGEAR quality and reliability

- Industry-leading 5-year Limited Hardware Warranty*
- Minimal down-time with Next-Business-Day Replacement Warranty
- Get deployment assistance with 90-days Free Advanced Technical Support**

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

Hardware at a Glance

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
	FRONT		**REAR**					**SIDE**
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

Software at a Glance

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
MANAGEMENT		**LAYER 2+ / LAYER 3 LITE FEATURES**							
NETGEAR Insight mobile app or Insight Cloud Portal for local/remote/anywhere management from your mobile device, PC, Mac, or tablet Local web browser-based management GUI 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 Qeues	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

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