

Smart Managed Pro Gigabit Ethernet/10G SFP+ Switches with optional Remote Management



Experience the most versatile and easy to manage Advanced Smart 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 switches with optional remote/cloud management.

The Smart Managed Pro 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 these 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.

Innovative features for the most versatile and easyto-manage switches in the market

Your network. Anytime. Anywhere.

The NETGEAR Smart Managed Pro switches with optional remote/cloud management fundamentally change the way you think of networks and IT. Using the NETGEAR Insight app with select Smart Managed Pro switches with optional remote/cloud management 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-ofglass 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.



Smart Managed Pro Gigabit Ethernet/10G SFP+ Switches with optional Remote Management

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 privisioning) 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 onpremise 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 at-a-glance cloud, power, fan, and PoE max¹ LEDs for quick status monitoring. On-port LEDs for link/activity and PoE power¹ allow for port-specific connectivity monitoring.

Connectivity options for every environment

GC728X and GC728XP have 24 copper Gigabit Ethernet ports; GC752X and GC752XP have 48 copper Gigabit Ethernet ports. All models also have two dedicated 1G SFP fiber ports, and two dedicated 10G SFP+ fiber ports for maximum connectivity. On PoE+ models (GC728XP and GC752XP), all Gigabit Ethernet copper ports support PoE or PoE+, with a PoE power budget of 390W (GC728XP) and 505W (GC752XP). Dedicated Gigabit SFP and 10G SFP+ ports provide fiber uplinks for server interconnects or across long distances, or can be used to build dual redundancy by a trunked uplink with link aggregation and failover.

Build a future-proof network with NETGEAR Smart Managed Pro 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
- Strong PoE+ power budgets of 390W (GC728XP) and 505W (GC752XP) have the flexibility to serve powerhungry devices such as 11ac and 11ax Wireless APs, VoIP voice and video phones, security/surveillance cameras including PTZ, and other IoT devices
- Advanced per-port PoE controls1 (set specific power budget per port in addition to automatic class-defined) and PoE scheduling

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**









Smart Managed Pro Gigabit Ethernet/10G SFP+ Switches with optional Remote Management

Hardware at a Glance

				FF	RONT			REAR	SIDE
Model Name	Form-Factor	LEDs (System)	Gigabit Copper (RJ-45) Ports	1G SFP Fiber Ports	10G SFP+ Fiber Ports	PoE/PoE+ Ports (Budget)	LEDs (Per Port)	Power Supply	Fans
GC728X	Rackmount, Desktop	Cloud, Power, Fan	24	2 (dedicated)	2 (dedi- cated)	N/A	Speed/Link/ Activity	1 internal PSU, fixed	1 internal fan, fixed
GC728XP	Rackmount, Desktop	Cloud, Power, PoE Max, Fan	24	2 (dedicated)	2 (dedi- cated)	24 PoE+ (390W)	Speed/Link/ Activity, PoE	1 internal PSU, fixed	2 internal fans, fixed
GC752X	Rackmount, Desktop	Cloud, Power, Fan	48	2 (dedicated)	2 (dedi- cated)	N/A	Speed/Link/ Activity	1 internal PSU, fixed	1 internal fan, fixed
GC752XP	Rackmount, Desktop	Cloud, Power, PoE Max, Fan	48	2 (dedicated)	2 (dedi- cated)	48 PoE+ (505W)	Speed/Link/ Activity, PoE	1 internal PSU, fixed	3 internal fans, fixed



GC728X: 28-Port Gigabit Ethernet Smart Managed Pro Switch w/2 SFP and 2 SFP+ 10G Fiber Ports

- 24 x 1000BASE-T Copper ports supporting 1G/100M speeds
- 2 x 1000BASE-X Dedicated SFP Fiber ports
- 2 x 10GBASE-X Dedicated SFP+ Fiber ports supporting 10G/1G speeds
- Max 28dB @ 25°C / 77°F ambient



GC728XP: 28-Port Gigabit Ethernet PoE+ Smart Managed Pro Switch w/2 SFP and 2 SFP+ 10G Fiber Ports

- 24 x 1000BASE-T PoE+ Copper ports supporting 1G/100M speeds
- 2 x 1000BASE-X Dedicated SFP Fiber ports
- 2 x 10GBASE-X Dedicated SFP+ Fiber ports supporting 10G/1G speeds
- 390W PoE budget (max 39dB @ 25°C / 77°F ambient)



GC752X: 52-Port Gigabit EthernetSmart Managed Pro Switch w/2 SFP and 2 SFP+ 10G Fiber Ports

- 48 x 1000BASE-T Copper ports supporting 1G/100M speeds
- 2 x 1000BASE-X Dedicated SFP Fiber ports
- 2 x 10GBASE-X Dedicated SFP+ Fiber ports supporting 10G/1G speeds
- Max 29dB @ 25°C / 77°F ambient



GC752XP: 52-Port Gigabit Ethernet PoE+ Smart Managed Pro Switch w/2 SFP and 2 SFP+ 10G Fiber Ports

- 48 x 1000BASE-T PoE+ Copper ports supporting 1G/100M speeds
- 2 x 1000BASE-X Dedicated SFP Fiber ports
- 2 x 10GBASE-X Dedicated SFP+ Fiber ports supporting 10G/1G speeds
- 505W PoE budget (max 33dB @ 25°C / 77°F ambient)



Software at a Glance

MANA	GEMENT	LAYER 2+ / LAYER 3 LITE FEATURES						
Device Management	Network Management Features	IPv4/IPv6 ACL and QoS	IPv4/IPv6 Multicast Filtering	VLANs	Auto-VoIP, Auto-Video	Convergence	Link Aggregation/ Port Trunking	IPv4 & IPv6 Static Routing
Local web browser- based management GUI, SNMP, RMON 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 24 LAGs with max 8 mem- bers)	Yes

Performance at a Glance

Model Name	CPU & Memory	Fabric (Full- duplex)	Latency (64-byte Packet @ Max Connection Speed)	Packet Buffer	Packet Forwarding Rate (64-byte)	ACLs	MAC Address Table ARP/NDP Table VLANs	Static Routes (IPv4 & IPv6)	Priority Qeues	Mul- ticast IGMP Groups
GC728X	400 MHz Cortex-	92Gbps	1G Copper: 3.200 µs	1.5 MB	68.5 Mfps		16K MAC			
GC728XP	A9 Single Core, 512MB RAM	line-rate	1G SFP:		'	100	(dynamic)	IPv4: 32	8 (WRR)	512
GC752X	8MB SPI + 256	140Gbps	1.720 µs 10G SFP+:	4 F MD	404 2 846	(shared)	384 ARP/128 NDP 256 VLANs	IPv6: 31	O (VVICIO)	312
GC752XP	NAND FLASH	line-rate	1.510 µs	1.5 MB	104.2 Mfps		230 VLAINS			





Smart Managed Pro Gigabit Ethernet/10G SFP+ Switches with optional Remote Management

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, no software or server to setup; nothing. Just connect and go.
1000BASE-T Copper Ethernet PoE+ (802.3at) connections (GC728XP/GC752XP)	Connect multiple power demanding devices to your network with a single wire for power and connectivity. Support high-density VoIP, Surveillance and Wi-Fi AP deployments, scalable for future growth. Never face the risk of running out of PoE ports or PoE power budget with power budgets of 390W (GC728XP) and 505W (GC752XP).
1000BASE-X SFP ports	Two dedicated Gigabit SFP ports provide fiber uplinks without sacrificing any downlink copper Gigabit Ethernet port, and across long distances. Support for Fiber and Copper modules.
10GBASE-X SFP+ ports	Two dedicated 10-Gigabit SFP+ fiber ports provide flexibility to uplink to 10G-capable core or aggregation switches that support fiber links. Backward compatible to Gigabit fiber. Support copper or fiber modules.
Cloud, Power, PoE (GC728XP/GC752XP only), and Fan LEDs	Quickly confirm switch has power and is connected to the cloud/internet, fan is operating normally or not, and if max PoE budget has been reached.
USB Port	Quickly and conveniently upgrade or restore firmware, load or backup configuration files, or download system log files for troubleshooting.
Micro-USB Debug Port	Only for use when directed by customer support for troubleshooti
Low Acoustics	Temperature-based fan-speed control minimizes system acoustic noise in any environment as low as 28dB at 25°C (77°F) ambient.
Energy Efficient Ethernet (IEEE 802.3az)	Maximum power reduction for ongoing operation cost savings.
Rackmount or Desktop	Flexible deployment in standard 19" rack using the included rackmount kit or on desktop using included rubber feet.
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 of the network.
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.
IPv4 & IPv6 Static Routing	A simple way to provide segmentation of the network with internal routing through the switch - reserving the router for external traffic routing only, making the entire network more efficient.
Robust Security Features (802.1x, ACLs, MAC Authentication)	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 (802.1p, DSCP, Rate-limiting)	Advanced controls for optimized network performance and better delivery of mission-critical traffic such as voice and video.



Software Features (continued)	
Auto-VoIP, Auto-Voice VLAN, and Auto-Video VLAN	Automatic Voice over IP prioritization (Auto-VoIP) simplifies most complex multi-vendor IP telephone deployments either based on protocols (SIP, H.323 and SCCP) or 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. Similarly, Auto-Video VLAN enables IGMP snooping to minimize broadcast streams.
IGMP Snooping and MLD 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.
Protected Ports	Ensure no exchange of unicast, broadcast, or multicast traffic between the protected ports on the switch, thereby improving the security of your converged network. This allows your sensitive phone phone conversations to stay private and your surveillance video clips can be forwarded to their designated storage device without leakage or alteration.
DHCP Snooping	Ensure IP address allocation integrity by only allowing DHCP messages from trusted DHCP servers and dropping malformed DHCP messages with a port or MAC address mismatch.
Dynamic VLAN Assignment (RADIUS)	IP phones and PCs can authenticate on the same port but under different VLAN assignment policies. Users are free to move around and enjoy the same level of network access regardless of their physical location on the network.
Private VLAN	Private VLANs help reduce broadcast with added security.
Port Trunking/Link Aggregation (LACP)	Build up bigger bandwidth to support aggregated uplink/downlink traffic or to provide redundant link(s). Aggregate up to 8 ports for 8Gbps connections.
Loop Prevention and Auto-DoS Prevention	Detect and prevent (auto port shutdown) accidental network loops and protect against DoS attacks.
PoE Timer and Scheduling	Allows IT administrators to increase network security, better utilize network resources and conserve energy by scheduling or remotely controlling on/ off of PoE ports.
Port Mirroring and Cable Test	Many-to-one port mirroring for better and quicker network diagnostics and troubleshooting. Cable test easily identifies bad Ethernet cables.
Firmware Updates from Cloud	Direct cloud-to-device firmware updates, initiated and/or scheduled using the Insight mobile app or Insight Cloud Portal, all from the palm of your hand, anytime, anywhere!
Multiple Language Local GUI	Product documentation and local-only web user interfaces are translated, giving you the ability to select your preferred language ² .

² English, German, and Japanese are the current supported languages in the local-only web GUI. The Insight mobile app and Insight Cloud Portal support local languages per the device used (phone or computer browser).



Data Sheet | GC728X, GC728XP, GC752X, GC752XP Smart Managed Pro Gigabit Ethernet/10G SFP+ Switches with optional Remote Management

Why Smart Managed Pro switches with optional remote/cloud management?

NETGEAR is revolutionizing unified, centralized network management with it's new line of Smart Managed Pro switches with optional remote/cloud management and Wireless Access Points, all managed from the palm of your hand, anytime, anywhere, on your phone or tablet using the NETGEAR Insight mobile app. Or, for a larger screen experience, from your PC, Mac, or tablet web browser using the Insight Cloud Portal.

- Ideal for SMBs, offices, retail stores, education, healthcare, owner-operated businesses, etc.
- IT expert or no networking experience at all: Smart Managed Pro switches with optional remote/cloud management let you focus on your business, not maintaining your network.
- Know immediately if and when your network is not running perfectly; not after you've already lost business or suffered significant down-time.
- Advanced L2+/L3 Lite network features such as IPv4/IPv6 management, VLANs, DiffServ QoS, LACP Link Aggregation, Spanning
 Tree, Static Routing, advanced per-port PoE controls and PoE scheduling will satisfy even the most advanced small business
 networks.
- Fundamentally change and simplify network usability for easier and smoother deployment of voice, video, and WLAN on the same converged platform.
- Industry-leading 5-year warranty on switches, 5-year Next-Business-Day (NBD) replacement, and 90-days free technical support**
 for peace-of-mind. Extended ProSUPPORT service plans available for purchase.

Within small and medium-sized organizations, there is growing adoption of PoE devices such as VoIP phones, IP security cameras, wireless access points, proximity sensors, LED lighting, door locks, and other IoT devices that require network switches capable of supporting dense PoE installations. Wireless access points and pan-tilt-zoom HD cameras using Wave 2 802.11ac Wi-Fi also require PoE+ power (802.3at), increasing the power demands on PoE switches. With a generous power budget of 390W (GC728XP) and 505W (GC752XP), the PoE versions are designed to meet the current and future needs of wireless converged networks.

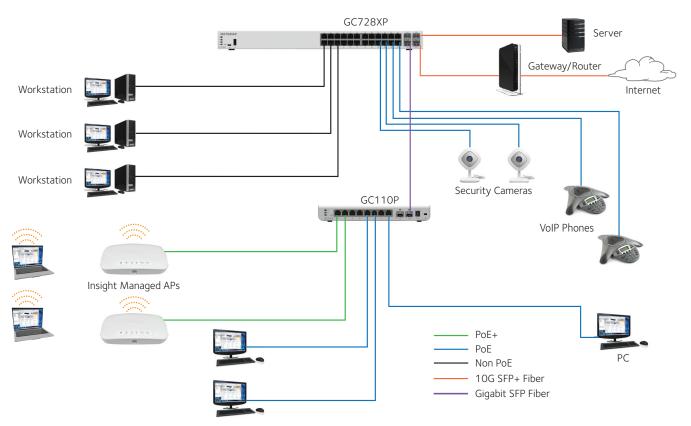
10G SFP+ Fiber



Example Application

Workstation PC Printer ReadyNAS w/Milestone Non PoE

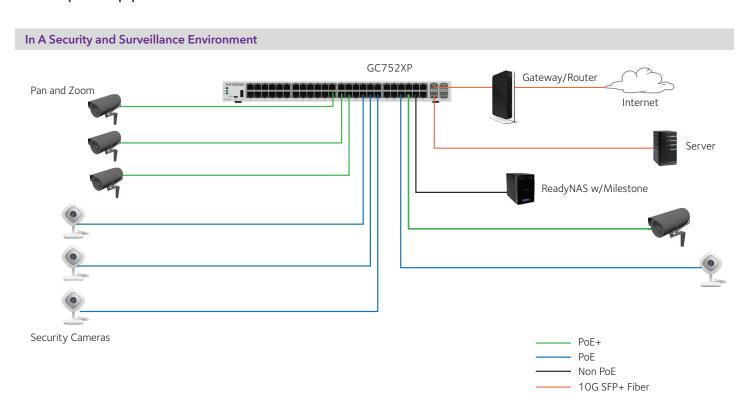
In a Small Office/Workgroup Environment (Aggregation/Core Switch)



Switches with optional Remote Management



Example Application





Large screen access via Insight Cloud Portal

NETGEAR® Insight



Port configuration and monitoring



Network dashboard



Single pane-of-glass view of multiple networks/locations



Technical Specifications	GC728X	GC728XP	GC752X	GC752XP			
Gigabit Ethernet RJ-45 Copper ports (10M/100M/1G) - 1000BASE-T	24	24	48	48			
PoE/PoE+ ports	N/A	24 PoE+ (390W PoE budget)	N/A	48 PoE+ (505W PoE budget)			
Gigabit SFP (fiber) ports (100M/1G) - 1000BASE-X	2 (dedicated)	2 (dedicated)	2 (dedicated)	2 (dedicated)			
10-Gigabit SFP+ (fiber) ports (1G/10G) - 10GBASE-X	2 (dedicated)	2 (dedicated)	2 (dedicated)	2 (dedicated)			
USB port (for config file upload/backup & firmware updates)	Yes	Yes	Yes	Yes			
Micro-USB port (for debugging only)	Yes	Yes	Yes	Yes			
Power Supply	Internal 100-240VAC ~ 50-60Hz, 1A Max	Internal 100-240VAC ~ 50-60Hz, 10A Max	Internal 100-240VAC ~ 50-60Hz, 1.5A Max	Internal 100-240VAC ~ 50-60Hz, 10A Max			
Kensington Lock		Yes (rear)					
LEDs							
System LEDs (per device)	Cloud/Internet Connection, Power, Fan Status	Cloud/Internet Connection, Power, PoE Max, Fan Status	Cloud/Internet Connection, Power, Fan Status	Cloud/Internet Connection, Power, PoE Max, Fan Status			
Ethernet (Copper) Port LEDs (per port)	Speed/Link/ Activity	Speed/Link/ Activity (left), PoE Power (right)	Speed/Link/ Activity	Speed/Link/ Activity (left), PoE Power (right)			
SFP/SFP+ (Fiber) Port LEDs (per port)	Speed/Link/ Activity	Speed/Link/ Activity	Speed/Link/ Activity	Speed/Link/ Activity			
Unified Network Management (Discovery, Setup	, Monitoring, And	Management)					
Discovery, setup, monitoring and management	NETGEAR Insight PC, Mac, or tablet		ne or tablet; Insight	Cloud Portal from			
Remote/Cloud management			your hand using Insi owser using the Insig				
Centralized network configuration (policies)		s Access Points, and	olicies) across Insight Business-class Read				
Device auto-join and configure (zero-touch provisioning)		Additional Insight Managed devices added to the network automatically inherit the network configuration					
Multi-site, multi-network single pane-of-glass view	Manage multiple Insight mobile ap	sites, locations, and p or Insight Cloud P	networks in a single ortal	view using the			
Multi-switch, multi-port concurrent configuration for ACLs, VLANs, QoS, PoE, etc	Apply settings and policies on multiple ports across multiple switches all at the same time using the Port Config Wizard						
Performance Specification							
CPU	400 MHz Cortex-A9 Single Core, 512MB RAM, 8MB SPI + 256MB NAND FLASH						
Packet buffer memory (Dynamically shared across only used ports)	1.5 MB	1.5 MB					
Forwarding modes	Store-and-forward	d					



Performance Specification	GC728X	GC728XP	GC752X	GC752XP	
Bandwidth (non-blocking, full duplex)	92Gbps	92Gbps	140Gbps)	140Gbps	
Priority queues	72GSp3 8	8 8	8	8	
Priority queuing		ghted Round Robin	-	-	
MAC Address database size				•	
(48-bit MAC addresses)	16K (dynamic)	16K (dynamic)	16K (dynamic)	16K (dynamic)	
Bandwidth (non-blocking, full duplex)	92Gbps	92Gbps	140Gbps)	140Gbps	
Priority queues	92Gbps	92Gbps	140Gbps)	140Gbps	
Priority queuing	92Gbps	92Gbps	140Gbps)	140Gbps	
MAC Address database size (48-bit MAC addresses)	92Gbps	92Gbps	140Gbps)	140Gbps	
Multicast Gro 512 ups		51	2		
Number of IPv4 static routes		3	2		
Number of IPv6 static routes		3	1		
Number of ARP/NDP cache entries		384 ARP /	128 NDP		
Number of VLANs		25	56		
Number of DHCP snooping bindings		8	K		
Access Control Lists (ACLs)		100 shared for MA	C, IP and IPv6 ACLs		
Packet forwarding rate (64 byte packet size) (Mfps or Mpps)	68.5	68.5	104.2	104.2	
1G Copper latency (µsec) (64-byte; 1518-byte; 9216-byte frames)			.200 µsec 3.160 µsec 3.140 µsec		
1G SFP Fiber latency (µsec) (64-byte; 1518-byte; 9216-byte frames)		1518-byte:	.720 μsec 1.740 μsec 1.740 μsec		
1G SFP Fiber latency (µsec) (64-byte; 1518-byte; 9216-byte frames)		1518-byte:	.510 μsec 1.520 μsec 1.510 μsec		
Jumbo frame support		Up to 9,216	packet size		
Acoustic noise level @ 25° C (dBA) (ANSI-S10.12)	28dBA	39dBA	29dBA	33dBA	
Mean Time Between Failures (MTBF) @ 25° C	1,874,356 hrs (214 yrs)	2629,962 hrs (72 yrs	1,360,115 hrs (155 yrs)	455,682 hrs (50 yrs)	
POE Configuration					
Number of PoE (802.3af) / PoE+ (802.3at) ports	N/A	24 PoE+	N/A	48 PoE+	
Total PoE power budget (watts)	N/A	390 W	N/A	505 W	
Advanced per-port PoE controls (enable/disable/power limit)	N/A	Yes	N/A	Yes	
Advanced per-port PoE scheduling/timers	N/A	Yes	N/A	Yes	
IEEE 802.3ad - LAGs (LACP)	Yes				



L2 Services - VLANS	GC728X	GC728XP	GC752X	GC752XP
IEEE 802.1Q VLAN Tagging		Yes	3	
IP-based VLANs		Yes	3	
MAC-based VLANs		Yes	3	
Auto-VoIP VLAN / Auto-Voice VLAN	Yes, based on	OUI bytes (default data phone source N		ased OUIs) in the
Auto-VoIP	Yes, based on p	rotocols (SIP, H.323 and quet		s traffic to a higher
Voice VLAN		either VLAN ID or 802.1 ne connecting VoIP pho		
Auto-Video VLAN		Yes	5	
Private VLAN		Yes	3	
L2 Services - Availability				
Broadcast, multicast, unknown unicast storm control		Yes	3	
IEEE 802.3ad - LAGs (LACP)		Yes	3	
IEEE 802.3x (full duplex and flow control)		Yes	6	
IEEE 802.1D Spanning Tree Protocol		Yes	5	
IEEE 802.1w Rapid Spanning Tree Protocol		Yes	5	
IEEE 802.1s Multiple Spanning Tree Protocol		Yes	5	
Layer 2 DHCP Relay		Yes	5	
L2 Services - Multicast Filtering				
IGMP snooping (v1, v2 and v3)		Yes	3	
MLD snooping support (v1 and v2)		Yes	3	
IGMP snooping queries		Yes	3	
Block unknown multicast		Yes	5	
Multicast VLAN Registration (MVR)		No	•	
Multicast groups		512	2	
L3 Services - DHCP				
DHCP client		Yes	3	
DHCP snooping		Yes	5	
Number of DHCP snooping bindings		8K		
L3 Services - Routing				
IPv4 static routes		32		
IPv6 static routes		31		
VLAN routing		Yes	3	
Host ARP table / NDP cache (number of entries)		384 ARP / 1	128 NDP	
ICMP Router Discovery Protocol (IRDP)		Yes	3	
Number of IP VLAN interfaces (routed VLANs)		15		



Link Aggregation	GC728X	GC728XP	GC752X	GC752XP
IEEE 802.3ad - LAGs (LACP)		Ye	S	
Manual Static LAG		Ye	S	
# of Static or LACP LAGs # of members in each LAG		24 LAGs with max 8 m	embers in each LA	4G
Network Monitoring and Discovery Services				
802.1ab LLDP		Ye	S	
LLDP-MED		Ye	S	
SNMP		v1, v2	c, v3	
RMON group 1,2,3,9		Ye	S	
Network Security				
IEEE 802.1x		Ye	S	
Guest VLAN		Ye	S	
RADIUS-based VLAN assignment via .1x		Ye	S	
MAC-based .1x		Ye	S	
RADIUS accounting		Ye	S	
Access Control Lists (ACLs)		L2/L3	3 / L4	
IP-based ACLs (IPv4 and IPv6)		Ye	S	
MAC-based ACLs		Ye	S	
TCP/UPD-based ACLs		Ye	S	
MAC lockdown		Ye	S	
MAC lockdown by the number of MACs		Ye	S	
Control MAC # Dynamic learned entries (per port)		409	96	
Control MAC # static entries (per port)		48	3	
IEEE 802.1x RADIUS port access authentication/type		Yes (MD5, E	EAP, PEAP)	
Port-based security by locked MAC addresses		Ye	S	
Dynamic ARP inspection		No	0	
Broadcast, multicast, unknown unicast storm control		Ye	S	
DoS attacks prevention		Ye	S	
Protected ports		Ye	S	
Quality of Service (QoS)				
Port-based rate limiting		Yes, eg	ress	
Port-based QoS		Yes	3	
Support for IPv6 fields		Yes	3	
DiffServ QoS		Yes, ing	gress	
IEEE 802.1p COS		Yes	3	
Destination MAC and IP		Yes	S	



Quality of Service (QoS)	GC728X	GC728XP	GC752X	GC752XP	
IPv4 and v6 DSCP		Y	es		
IPv4 and IPv6 ToS		Ν	lo		
TCP/UDP-based		Y	es		
Weighted Round Robin (WRR)		Y	es		
Strict priority queue technology		Y	es		
Auto-VoIP VLAN / Auto-Voice VLAN		· ·	MAC address		
Auto-VoIP			o a higher queue.		
Voice VLAN		er VLAN ID or 802.1 connecting VoIP pho			
Auto-Video VLAN		Ye	es		
Other Features					
Advanced per-port PoE controls (enable/disable/power limit)	N/A	Yes	N/A	Yes	
Advanced per-port PoE scheduling	N/A	Yes	N/A	Yes	
Loop detection & prevention	Yes (both)	Yes (both)	Yes (both)	Yes (both)	
DNS Client	Yes	Yes	Yes	Yes	
Option to enable/disable BPDU flooding when STP is disabled	Yes	Yes	Yes	Yes	
Option to enable/disable the flooding of EAPOL when 802.1x is disabled	Yes	Yes	Yes	Yes	
IEEE Network Protocols					
 IEEE 802.3 Ethernet IEEE 802.3u 100BASE-T IEEE 802.3ab 1000BASE-T IEEE 802.3z Gigabit Ethernet 1000BASE-SX/LX IEEE 802.3ae 10-Gigabit Ethernet Over Fiber (10GBASE-SR, 10GBASE-LR, 10GBASE-LRM, 10GBASE-ER, 10GBASE-LX4) IEEE 802.3af PoE (GC728XP/GC752XP only) IEEE 802.3at PoE+ (GC728XP/GC752XP only) IEEE 802.3ad Trunking (LACP) IEEE 802.3az Energy Efficient Ethernet (EEE) 	 IEEE 802.3x Full-Duplex Flow Control IEEE 802.1Q VLAN Tagging IEEE 802.1AB LLDP with ANSI/TIA-1057 (LLDP-MED) IEEE 802.1p Class of Service IEEE 802.1D Spanning Tree (STP) IEEE 802.1s Multiple Spanning Tree (MSTP) IEEE 802.1w Rapid Spanning Tree (RSTP) IEEE 802.1x RADIUS Network Access Control 				
Management, Monitoring & Troubleshooting					
Cloud/Remote management		Y	es		
Insight mobile app & Insight Cloud Portal management		Ye	es		
uPnP Discovery		Ye	es		
Bonjour Discovery		Y	es		
Networking monitoring		Ye	es		
Data/performance logs		Ye	es		
Centralized network configuration/policies (network-centric management)		Ye	es		



Management, Monitoring & Troubleshooting	GC728X	GC728XP	GC752X	GC752XP		
Device auto-join and configure (zero-touch provisioning)		Ye	es			
Multi-site, multi-network single pane-of-glass view	Yes					
Multi-switch, multi-port concurrent configuration		Ye	es .			
Network/global password (for all Insight Managed devices on a network)	Yes (per network/s	subnet via NETGEAR Port		and Insight Cloud		
Password management		Ye	es			
IP Access List		Ye	es			
Configurable management VLAN		Ye	es .			
Admin access control via RADIUS and TACACS+		Ye	es .			
IPv6 management		Ye	es			
SNTP client over UDP port 123		Ye	es .			
Firmware update direct from Cloud (via mobile device or Insight Cloud Portal)		Ye	es			
SNMP v1/v2c		Ye	es .			
SNMP v3 with multiple IP addresses		Ye	es			
RMON group 1,2,3,9		Ye	es			
Port mirroring		Ye	es			
Many-to-one port mirroring		Ye	es			
Cable test utility		Ye	es			
Ping and tracerout client		Ye	es			
Local-only web browser-based management GUI with multiple language support2		Ye	es			
SSL/HTTPS Web-based access (version)		Yes	(v3)			
TLS Web-based access (version)		Yes (v	/1.0)			
TFTP/HTTP firmware upload/download		Ye	es			
Dual software (firmware) image		Ye	es			
Memory and flash log		Ye	es			
Syslog (RFC 3164)		Ye	es			
USB port for firmware updates, configuration set- tings upload/backup, and system log file down- loads		Υe	es			
Micro-USB port (for debugging only)		Ye	es			
Power Consumption						
Max power (worst case, all ports used, full PoE, line-rate traffic) (Watts)	18.5 W	47.1 W	43.9 W	118.6 W		
Max power (worst case, all ports used, full PoE, line-rate traffic) (Watts)	N/A	437.1 W	N/A	623.6 W		
Min power (link-down standby) (Watts)	13.7 W	25.5 W	25.3 W	39.4 W		
Heat Dissipation (min w/o PoE and max with full PoE) (BTU/hr)	Min: 46.58 BTU/hr Max: 62.95 BTU/hr	Min: 86.94 BTU/hr Max: 1491.45 BTU/hr	Min: 84.43 BTU/hr Max: 149.72 BTU/hr	Min: 134.58 BTU/hr Max: 2127.64 BTU/hr		



Energy Efficient Ethemet (EEE) IEEE 802.3az	Power Consumption	GC728X	GC728XP	GC752X	GC752XP			
Auto power down	-							
Fan(s) (temperature- and load-based speed control) Physical Specifications Dimensions (W x D x H) 440 x 224 x 44 mm (17.3 x 8.8 x 1.7 in) 440 x 224 x 44 mm (17.3 x 8.8 x 1.7 in) 440 x 224 x 44 mm (17.3 x 8.8 x 1.7 in) 440 x 224 x 44 mm (17.3 x 8.8 x 1.7 in) 440 x 224 x 44 mm (17.3 x 8.8 x 1.7 in) 440 x 224 x 44 mm (17.3 x 8.8 x 1.7 in) 440 x 224 x 44 mm (17.3 x 8.8 x 1.7 in) 440 x 224 x 44 mm (17.3 x 8.8 x 1.7 in) 440 x 224 x 44 mm (17.3 x 8.8 x 1.7 in) 440 x 224 x 44 mm (17.3 x 8.8 x 1.7 in) 440 x 224 x 44 mm (17.3 x 8.8 x 1.7 in) 440 x 224 x 44 mm (17.3 x 8.8 x 1.7 in) 440 x 224 x 44 mm (17.3 x 8.8 x 1.7 in) 440 x 224 x 44 mm (17.3 x 8.8 x 1.7 in) 440 x 224 x 44 mm (17.3 x 8.8 x 1.7 in) 440 x 224 x 44 mm (17.3 x 8.8 x 1.7 in) 440 x 228 x 14 mm (17.3 x 8.8 x 1.7 in) 440 x 228 x 14 mm (17.3 x 8.8 x 1.7 in) 440 x 224 x 44 mm (17.3 x 8.8 x 1.7 in) 440 x 224 x 44 mm (17.3 x 8.8 x 1.7 in) 440 x 224 x 44 mm (17.3 x 8.8 x 1.7 in) 440 x 228 x 14 mm (17.3 x 8.8 x 1.7 in) 440 x 228 x 14 mm (17.3 x 8.8 x 1.7 in) 440 x 228 x 14 mm (17.3 x 8.8 x 1.7 in) 440 x 228 x 14 mm (17.3 x 8.8 x 1.7 in) 440 x 228 x 14 x 128 x 1.7 in) 440 x 228 x 14 x 128 x 1.7 in) 440 x 228 x 14 x 12	· ·			•				
Physical Specifications Dimensions (W x D x H) 440 x 224 x 44 mm (17.3 x 88 x 1.7 in) 440 x 224 x 44 mm (17.3 x 88 x 1.7 in) 440 x 224 x 44 mm (17.3 x 88 x 1.7 in) 440 x 224 x 44 mm (17.3 x 88 x 1.7 in) 440 x 224 x 44 mm (17.3 x 88 x 1.7 in) 440 x 224 x 44 mm (17.3 x 88 x 1.7 in) 440 x 224 x 44 mm (17.3 x 88 x 1.7 in) 440 x 224 x 44 mm (17.3 x 88 x 1.7 in) 440 x 224 x 44 mm (17.3 x 88 x 1.7 in) 440 x 224 x 44 mm (17.3 x 88 x 1.7 in) 440 x 224 x 44 mm (17.3 x 88 x 1.7 in) 440 x 224 x 44 mm (17.3 x 88 x 1.7 in) 440 x 224 x 44 mm (17.3 x 88 x 1.7 in) 440 x 224 x 44 mm (17.3 x 88 x 1.7 in) 440 x 224 x 44 mm (17.3 x 88 x 1.7 in) 440 x 224 x 44 mm (17.3 x 88 x 1.7 in) 440 x 224 x 44 mm (17.3 x 88 x 1.7 in) 440 x 224 x 44 mm (17.3 x 88 x 1.7 in) 440 x 224 x 44 mm (17.3 x 88 x 1.7 in) 440 x 224 x 44 mm (140 x 224 x 44 mm (140 x 200 x 44 mm) 440 x 224 x 44 mm (140 x 200 x 44 mm) 440 x 224 x 44 mm (140 x 200 x 44 mm) 440 x 224 x 44 mm (140 x 200 x 44 mm) 440 x 224 x 44 mm (140 x 200 x 44 mm) 440 x 224 x 44 mm (140 x 200 x 44 mm) 440 x 224 x 44 mm (140 x 200 x 44 mm) 440 x 224 x 44 mm (140 x 200 x 44 mm) 440 x 224 x 44 mm (140 x 200 x 44 mm) 440 x 224 x 44 mm (140 x 200 x 44 mm) 440 x 224 x 44 mm (140 x 200 x 44 mm) 440 x 224 x 44 mm (140 x 200 x 44 mm) 440 x 224 x 44 mm (140 x 40 x 200 x 44 mm) 440 x 224 x 44 mm (140 x 40 x	Fan(s) (temperature- and load-based speed	1		•				
Dimensions (W x D x H) 440 x 224 x 44 mm (17.3 x 8.8 x 1.7 in) 440 x 224 x 44 mm (17.3 x 8.8 x 1.7 in) 440 x 224 x 44 mm (17.3 x 8.8 x 1.7 in) 440 x 320 x 44 mm (17.3 x 8.8 x 1.7 in) 440 x 320 x 44 mm (17.3 x 8.8 x 1.7 in) 440 x 320 x 44 mm (17.3 x 8.8 x 1.7 in) 440 x 320 x 44 mm (17.3 x 8.8 x 1.7 in) 440 x 320 x 44 mm (17.3 x 8.8 x 1.7 in) 440 x 320 x 44 mm (17.3 x 8.8 x 1.7 in) 440 x 320 x 44 mm (17.3 x 8.8 x 1.7 in) 440 x 320 x 44 mm (17.3 x 8.8 x 1.7 in) 440 x 320 x 44 mm (17.3 x 8.8 x 1.7 in) 447 x 9 kg (6.19 lb) 440 x 24 x 44 mm (17.3 x 8.8 x 1.7 in) 447 x 9 kg (6.19 lb) 470 x 8 x 1.7 in) 470 kg (6.97 lb) 470 kg (7.97 kg (7	,							
### ### ### ### ### ### ### ### ### ##								
Mounting options Rackmount, desktop (kits included)	Dimensions (VV X D X 11)							
### Certifications Certifications Certifications	Weight							
Operating -0° to 50°C (32° to 122°F) Humidity 90% maximum relative humidity (RH), non-condensing Altitude 10,000 ft (3,000 m) maximum Storage Storage Temperature Humidity 95% maximum relative humidity (RH), non-condensing Humidity 95% maximum relative humidity (RH), non-condensing Altitude 10,000 ft (3,000 m) maximum Electromagnetic Emissions and Immunity Certifications CE Mark, Commercial EN55032:2012+AC:2013, Class A EN55032:2012+AC:2013, Class A EN55032:2014-AI:2015 EN61000-3-2:2014, Class A EN61000-3-2:2014, Class A EN61000-3-2:2014, Class A Certifications RCM, AS/NZS CISPR 32:2015, CLASS A AT CFR FCC Part 15, Subpart 18, Class A RCM (NS13438, Class A) RCC KN32 / KN35 CCC GB/T 9254-2008 Safety Certifications CB Mark, Commercial EN 60950-1; 2005 (ed.2) + Al 1:2001 + Al 2:2011 + A2:2013 UL 60950-1, 2nd, 2014 and CAN/CSA C22.2 No. 60950-1-07, 2nd, 2014 EN 60950-1; 2005 (ed.2) + Am 1:2009 + Am 2:2013 BSMI CNS14336-1 RCM, AS/NZS 60950.1:2015 <td>Mounting options</td> <td></td> <td>Rackmount, des</td> <td>ktop (kits included)</td> <td></td>	Mounting options		Rackmount, des	ktop (kits included)				
Operating Temperature -0° to 50°C (32° to 122°F) Humidity 90% maximum relative humidity (RH), non-condensing Altitude 10,000 ft (3,000 m) maximum Storage -20° to 70°C (-4° to 158°F) Humidity 95% maximum relative humidity (RH), non-condensing Altitude 10,000 ft (3,000 m) maximum Electromagnetic Emissions and Immunity Certifications CE Mark, Commercial EN55032:2012+AC:2013, Class A EN55032:2012+AC:2013, Class A EN61000-3-2:2014, Class A EN61000-3-2:2014, Class A EN61000-3-2:2014, Class A EN61000-3-2:2015 CLASS A Certifications RCM, AS/NZS CISPR 32:2015 CLASS A 47 CFR FCC Part 15, Subpart B, Class A ICES-003:2016 Issue 6, Class A BSMI CNS13438, Class A RCC KN32 / KN35 CCC C GB/T 9254-2008 Safety Certifications CB Mark, Commercial EN 60950-1: 2006 + A11::2009 + A1::2010 + A12::2011 + A2::2013 UL 60950-1; 2006 + A11::2009 + A1::2010 + A12::2011 + A2::2013 Certifications IEC 60950-1:2005 (ed.2) + Am 1::2009 + Am 2::2013 Certifications RCM, AS/NZ5 60950.1::2015 BSMI CNS14336-1 RCC K0950-1 <	Environmental Specifications							
Humidity 90% maximum relative humidity (RH), non-condensing Altitude 10,000 ft (3,000 m) maximum Storage Storage Temperature -20° to 70°C (-4° to 158°F) Humidity 95% maximum relative humidity (RH), non-condensing Altitude 10,000 ft (3,000 m) maximum Electromagnetic Emissions and Immunity Certifications CE Mark, Commercial EN55032:2012+AC:2013, Class A EN55032:2012+AC:2013, Class A EN61000-3-2:2014, Class A EN61000-3-2:2014, Class A EN61000-3-2:2014, Class A EN61000-3-2:2015 CLASS A Certifications RCM, AS/NZS CISPR 32:2015 CLASS A 47 CFR FCC Part 15, Subpart B, Class A ICES-003:2016 Issue 6, Class A BSMI CNS13438, Class A ICES-003:2016 Issue 6, Class A BSMI CNS13438, Class A ICES-003:2016 Issue 6, Class A BSMI CNS14348, Class A ICES-003:2016 Issue 6, Class A L EN 60950-1: 2005 A CCC GB/T 9254-2008 EN 60950-1: 2005 A CERTIFICATION CR Mark, Commercial EN 60950-1: 2005 A EN 60950-1: 2005 A EN 60950-1: 2005 A EN 60950-1: 2005 A Certifications EN 60950-1: 2005 A	Operating							
Altitude 10,000 ft (3,000 m) maximum Storage Storage Temperature -20° to 70°C (-4° to 158°F) Humicity 95% maximum relative humicity (RH), non-condensing Altitude 10,000 ft (3,000 m) maximum Electromagnetic Emissions and Immunity Certifications CE Mark, Commercial EN55032:2012+AC:2013, Class A EN55024:2010+A1:2015 EN61000-3-2:2014, Class A EN61000-3-2:2014, Class A EN61000-3-2:2013 Certifications Certifications RCM, AS/NZS CISPR 32:2015, Class A A7 CFR FCC Part 15, Subpart B, Class A ICES-003:2016 Issue 6, Class A BSMI CNS13438, Class A KCC KN32 / KN35 CCC GB/T 9254-2008 Safety Certifications CB Mark, Commercial EN 60950-1: 2006 + A11:2009 + A1:2011 + A2:2013 UL 60950-1, 2nd, 2014 and CAN/CSA C22.2 No. 60950-1-07, 2nd, 2014 IEC 60950-1:2005 (ed.2) + Am 1:2009 + Am 2:2013 RCM, AS/NZS 60950.1:2015 BSMI CNS14336-1 KCC K60950-1	Operating Temperature		-0° to 50°C	(32° to 122°F)				
Storage -20° to 70°C (- 4° to 158°F) Humidity 95% maximum relative humidity (RH), non-condensing Altitude 10,000 ft (3,000 m) maximum Electromagnetic Emissions and Immunity Certifications CE Mark, Commercial EN55032:2012+AC:2013, Class A EN561000-3-2:2014, Class A EN61000-3-2:2014, Class A EN61000-3-3:2013 VCCI-CISPR 32:2016, Class A EN61000-3-3:2013 VCCI-CISPR 32:2015 CLASS A 47 CFF FCC Part 15, Subpart B, Class A ICES-003:2016 Issue 6, Class A BSMI CNS13438, Class A KCC KN32 / KN35 CCC GB/T 9254-2008 Safety Certifications CB Mark, Commercial EN 60950-1: 2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 UL 60950-1: 2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 LEC 60950-1: 2005 (ed.2) + Am 1:2009 + Am 2:2013 RCM, AS/NZS 60950.1:2015 BSMI CNS14336-1 KCC K60950-1	Humidity	90% m	aximum relative hu	midity (RH), non-cond	densing			
Storage Temperature	Altitude		10,000 ft (3,0	00 m) maximum				
Humidity 95% maximum relative humidity (RH), non-condensing Altitude 10,000 ft (3,000 m) maximum Electromagnetic Emissions and Immunity Certifications CE Mark, Commercial EN55032:2012+AC:2013, Class A EN55024:2010+A1:2015 EN61000-3-2:2014, Class A EN55024:2010+A1:2015 EN61000-3-2:2014, Class A EN61000-3-2:2014, Class A EN61000-3-2:2016, Class A EN61000-3-2:2016, Class A EN61000-3-2:2016, Class A EN61000-3-2:2016 EN500-3-2:2016 EN500-3-2:201	Storage							
Altitude 10,000 ft (3,000 m) maximum Electromagnetic Emissions and Immunity Certifications CE Mark, Commercial EN55032:2012+AC:2013, Class A EN55024:2010+A1:2015 EN61000-3-2:2014, Class A EN61000-3-3:2013 VCCI-CISPR 32:2016, Class A EN61000-3-3:2013 VCCI-CISPR 32:2016, Class A EN61000-3-3:2015 Certifications Certifications RCM, AS/NZS CISPR 32:2015 CLASS A 47 CFR FCC Part 15, Subpart B, Class A ICES-003:2016 Issue 6, Class A BSMI CNS13438, Class A KCC KN32 / KN35 CCC GB/T 9254-2008 Safety Certifications CB Mark, Commercial EN 60950-1: 2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 UL 60950-1: 2006 + A11:2009 + A1:2010 + A12:2013 + A1:2010 + A12:2013 Certifications Certifications RCM, AS/NZS 60950.1:2015 BSMI CNS14336-1 KCC K60950-1	Storage Temperature		-20° to 70°C	C(-4° to 158°F)				
Electromagnetic Emissions and Immunity Certifications CE Mark, Commercial EN55032:2012+AC:2013, Class A EN55024:2010+A1:2015 EN61000-3-2:2014, Class A EN61000-3-2:2014, Class A EN61000-3-3:2013 VCCI-CISPR 32:2016, Class A RCM, AS/NZS CISPR 32:2015 CLASS A 47 CFR FCC Part 15, Subpart B, Class A ICES-003:2016 Issue 6, Class A BSMI CNS13438, Class A KCC KN32 / KN35 CCC GB/T 9254-2008 Safety Certifications CB Mark, Commercial EN 60950-1: 2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 UL 60950-1, 2nd, 2014 and CAN/CSA C22.2 No. 60950-1-07, 2nd, 2014 IEC 60950-1:2005 (ed.2) + Am 1:2009 + Am 2:2013 RCM, AS/NZS 60950.1:2015 BSMI CNS14336-1 KCC K60950-1	Humidity	95% m	aximum relative hu	midity (RH), non-cond	densing			
CE Mark, Commercial EN55032:2012+AC:2013, Class A EN55024:2010+A1:2015 EN61000-3-2:2014, Class A EN61000-3-2:2014, Class A EN61000-3-3:2013 VCCI-CISPR 32:2016, Class A EN61000-3-3:2013 VCCI-CISPR 32:2015 CLASS A RCM, AS/NZS CISPR 32:2015 CLASS A 47 CFR FCC Part 15, Subpart B, Class A ICES-003:2016 Issue 6, Class A BSMI CNS13438, Class A KCC KN32 / KN35 CCC GB/T 9254-2008 Safety Certifications CB Mark, Commercial EN 60950-1: 2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 UL 60950-1, 2nd, 2014 and CAN/CSA C22.2 No. 60950-1-07, 2nd, 2014 IEC 60950-1:2005 (ed.2) + Am 1:2009 + Am 2:2013 RCM, AS/NZS 60950.1:2015 BSMI CNS14336-1 KCC K60950-1	Altitude		10,000 ft (3,0	00 m) maximum				
EN55032:2012+AC:2013, Class A	Electromagnetic Emissions and Immunity Cert	ifications						
EN55024:2010+A1:2015 EN61000-3-2:2014, Class A EN61000-3-2:2013 VCCI-CISPR 32:2016, Class A EN61000-3-3:2013 VCCI-CISPR 32:2016, Class A RCM, AS/NZS CISPR 32:2015 CLASS A 47 CFR FCC Part 15, Subpart B, Class A ICES-003:2016 Issue 6, Class A BSMI CNS13438, Class A KCC KN32 / KN35 CCC GB/T 9254-2008 Safety Certifications CB Mark, Commercial EN 60950-1: 2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 UL 60950-1, 2nd, 2014 and CAN/CSA C22.2 No. 60950-1-07, 2nd, 2014 IEC 60950-1:2005 (ed.2) + Am 1:2009 + Am 2:2013 RCM, AS/NZS 60950.1:2015 BSMI CNS14336-1 KCC K60950-1								
EN61000-3-2:2014, Class A								
EN61000-3-3:2013 VCCI-CISPR 32:2016, Class A RCM, AS/NZS CISPR 32:2015 CLASS A 47 CFR FCC Part 15, Subpart B, Class A ICES-003:2016 Issue 6, Class A BSMI CNS13438, Class A KCC KN32 / KN35 CCC GB/T 9254-2008 Safety Certifications CB Mark, Commercial EN 60950-1: 2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 UL 60950-1, 2nd, 2014 and CAN/CSA C22.2 No. 60950-1-07, 2nd, 2014 IEC 60950-1:2005 (ed.2) + Am 1:2009 + Am 2:2013 RCM, AS/NZS 60950.1:2015 BSMI CNS14336-1 KCC K60950-1								
Certifications VCCI-CISPR 32:2016, Class A RCM, AS/NZS CISPR 32:2015 CLASS A 47 CFR FCC Part 15, Subpart B, Class A ICES-003:2016 Issue 6, Class A BSMI CNS13438, Class A KCC KN32 / KN35 CCC GB/T 9254-2008 Safety Certifications CB Mark, Commercial EN 60950-1: 2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 UL 60950-1, 2nd, 2014 and CAN/CSA C22.2 No. 60950-1-07, 2nd, 2014 IEC 60950-1:2005 (ed.2) + Am 1:2009 + Am 2:2013 RCM, AS/NZS 60950.1:2015 BSMI CNS14336-1 KCC K60950-1								
RCM, AS/NZS CISPR 32:2015 CLASS A 47 CFR FCC Part 15, Subpart B, Class A ICES-003:2016 Issue 6, Class A BSMI CNS13438, Class A KCC KN32 / KN35 CCC GB/T 9254-2008 Safety Certifications CB Mark, Commercial EN 60950-1: 2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 UL 60950-1, 2nd, 2014 and CAN/CSA C22.2 No. 60950-1-07, 2nd, 2014 IEC 60950-1:2005 (ed.2) + Am 1:2009 + Am 2:2013 RCM, AS/NZS 60950.1:2015 BSMI CNS14336-1 KCC K60950-1								
47 CFR FCC Part 15, Subpart B, Class A ICES-003:2016 Issue 6, Class A BSMI CNS13438, Class A KCC KN32 / KN35 CCC GB/T 9254-2008 Safety Certifications CB Mark, Commercial EN 60950-1: 2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 UL 60950-1, 2nd, 2014 and CAN/CSA C22.2 No. 60950-1-07, 2nd, 2014 IEC 60950-1:2005 (ed.2) + Am 1:2009 + Am 2:2013 RCM, AS/NZS 60950.1:2015 BSMI CNS14336-1 KCC K60950-1	Certifications							
ICES-003:2016 Issue 6, Class A BSMI CNS13438, Class A KCC KN32 / KN35 CCC GB/T 9254-2008 Safety Certifications CB Mark, Commercial EN 60950-1: 2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 UL 60950-1, 2nd, 2014 and CAN/CSA C22.2 No. 60950-1-07, 2nd, 2014 IEC 60950-1:2005 (ed.2) + Am 1:2009 + Am 2:2013 RCM, AS/NZS 60950.1:2015 BSMI CNS14336-1 KCC K60950-1								
BSMI CNS13438, Class A KCC KN32 / KN35 CCC GB/T 9254-2008 Safety Certifications CB Mark, Commercial EN 60950-1: 2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 UL 60950-1, 2nd, 2014 and CAN/CSA C22.2 No. 60950-1-07, 2nd, 2014 IEC 60950-1:2005 (ed.2) + Am 1:2009 + Am 2:2013 RCM, AS/NZS 60950.1:2015 BSMI CNS14336-1 KCC K60950-1				•				
KCC KN32 / KN35 CCC GB/T 9254-2008 Safety Certifications CB Mark, Commercial EN 60950-1: 2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 UL 60950-1, 2nd, 2014 and CAN/CSA C22.2 No. 60950-1-07, 2nd, 2014 IEC 60950-1:2005 (ed.2) + Am 1:2009 + Am 2:2013 RCM, AS/NZS 60950.1:2015 BSMI CNS14336-1 KCC K60950-1								
CCC GB/T 9254-2008 Safety Certifications CB Mark, Commercial EN 60950-1: 2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 UL 60950-1, 2nd, 2014 and CAN/CSA C22.2 No. 60950-1-07, 2nd, 2014 IEC 60950-1:2005 (ed.2) + Am 1:2009 + Am 2:2013 RCM, AS/NZS 60950.1:2015 BSMI CNS14336-1 KCC K60950-1								
CB Mark, Commercial EN 60950-1: 2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 UL 60950-1, 2nd, 2014 and CAN/CSA C22.2 No. 60950-1-07, 2nd, 2014 IEC 60950-1:2005 (ed.2) + Am 1:2009 + Am 2:2013 RCM, AS/NZS 60950.1:2015 BSMI CNS14336-1 KCC K60950-1								
CB Mark, Commercial EN 60950-1: 2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 UL 60950-1, 2nd, 2014 and CAN/CSA C22.2 No. 60950-1-07, 2nd, 2014 IEC 60950-1:2005 (ed.2) + Am 1:2009 + Am 2:2013 RCM, AS/NZS 60950.1:2015 BSMI CNS14336-1 KCC K60950-1	Safety Certifications		CCC GB/	1 9254-2006				
EN 60950-1: 2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 UL 60950-1, 2nd, 2014 and CAN/CSA C22.2 No. 60950-1-07, 2nd, 2014 IEC 60950-1:2005 (ed.2) + Am 1:2009 + Am 2:2013 RCM, AS/NZS 60950.1:2015 BSMI CNS14336-1 KCC K60950-1			CR Mark	Commercial				
UL 60950-1, 2nd, 2014 and CAN/CSA C22.2 No. 60950-1-07, 2nd, 2014 IEC 60950-1:2005 (ed.2) + Am 1:2009 + Am 2:2013 RCM, AS/NZS 60950.1:2015 BSMI CNS14336-1 KCC K60950-1		FN 60950₋1			11 + Δ2·2013			
Certifications IEC 60950-1:2005 (ed.2) + Am 1:2009 + Am 2:2013 RCM, AS/NZS 60950.1:2015 BSMI CNS14336-1 KCC K60950-1								
Certifications RCM, AS/NZS 60950.1:2015 BSMI CNS14336-1 KCC K60950-1								
BSMI CNS14336-1 KCC K60950-1	Certifications							
KCC K60950-1								
		CCC GB4943.1-2011						



All models

Data Sheet | GC728X, GC728XP, GC752X, GC752XP

Smart Managed Pro Gigabit Ethernet/10G SFP+ Switches with optional Remote Management

Warranty and Support	GC728X	GC728XP	GC752X	GC752XP
Hardware Limited Warranty	5 years	5 years	5 years	5 years
Next-Business-Day (NBD) Replacement	5 years	5 years	5 years	5 years
Technical support (online, phone)	90 days free from date of purchase*			
ProSUPPORT OnCall 24x7 Service Packs**	PMB0311 (1 yr.) PMB0331 (3 yrs.) PMB0351 (5 yrs.)		PMB0312 (1 yr.) PMB0332 (3 yrs.) PMB0352 (5 yrs.)	
Package Contents				

NETGEAR Smart Managed Pro 28-Port or 52-Port Gigabit Ethernet Switch with 2 SFP and 2 SFP+ 10G Fiber Ports

 $\label{eq:AC power cord} \mbox{ AC power cord (localized to country of sale)}$

Category 5e flat Ethernet cable (after 4/1/2019)

Rack-mounting kit

Rubber footpads for tabletop installation

Quick install guide

Ordering Information	
GC728X-100NAS	North America and Latin America
GC728X-100EUS	Europe and United Kingdom
GC728X-100AJS	Japan, Asia Pacific, and Australia
GC728XP-100NAS	North America and Latin America
GC728XP-100EUS	Europe and United Kingdom
GC728XP-100AJS	Japan, Asia Pacific, and Australia
GC752X-100NAS	North America and Latin America
GC752X-100EUS	Europe and United Kingdom
GC752X-100AJS	Japan, Asia Pacific, and Australia
GC752X-100PRS	China
GC752XP-100NAS	North America and Latin America
GC752XP-100EUS	Europe and United Kingdom
GC752XP-100AJS	Japan, Asia Pacific, and Australia

² English, German, and Japanese are the current supported languages in the local-only web GUI. The Insight mobile app and Insight Cloud Portal support local languages per the device used (phone or computer browser).

^{*} 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.



Smart Managed Pro Gigabit Ethernet/10G SFP+ Switches with optional Remote Management

Optional Modules and Accessories	
AGM731F-10000S	SFP Transceiver 1000BASE-SX (Short range, multimode)
AGM732F-10000S	SFP Transceiver 1000BASE-LX (Long range, single mode)
AGM734-10000S	SFP Transceiver 1000BASE-T Copper RJ45 GBIC
AXM761-10000S	SFP+ Transceiver 10GBASE-SR (Short range, multimode)
AXM762-10000S	SFP+ Transceiver 10GBASE-LR (Long range, single mode)
AXM763-10000S	SFP+ Transceiver 10GBASE-LRM (Long range, multimode)
AXM764-10000S	SFP+ Transceiver 10GBASE-LR Lite (Long range lite, single mode)
AXM765-10000S	SFP+ Transceiver 10GBASE-T (SFP+ Copper RJ-45 GBIC)
AXC761-10000S	SFP+ DAC CABLE (1m)
AXC763-10000S	SFP+ DAC CABLE (3m)
Extended Support Contracts	
GC728X/GC728XP Models:	
PMB0311-10000S	1-Year OnCall 24x7 Support Plan**
PMB0331-10000S	3-Year OnCall 24x7 Support Plan**
PMB0351-10000S	5-Year OnCall 24x7 Support Plan**
GC752X/GC752XP Models:	
PMB0312-10000S	1-Year OnCall 24x7 Support Plan**
PMB0332-10000S	3-Year OnCall 24x7 Support Plan**
PMB0352-10000S	5-Year OnCall 24x7 Support Plan**

NETGEAR, the NETGEAR Logo, and NETGEAR Insight are trademarks of NETGEAR, Inc. in the United States and/or other countries. Other brand names mentioned herein are for identification purposes only and may be trademarks of their respective holder(s).

NETGEAR, Inc. 350 E. Plumeria Drive, San Jose, CA 95134-1911 USA, 1-888-NETGEAR (638-4327), E-mail: info@NETGEAR.com, www.NETGEAR.com

DS-GC728X/GC728XP/GC752X/GC752XP-5May20

^{&#}x27;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.