



Dual Band 11ac/11n **1200 Mbps** WIRELESS ACCESS POINT

Model: GC1200ac



Professional Qualcomm Chipset

Comply with the latest generation of 802.11ac Wi-Fi Technology

				
Hospitality	Home	Public	Generality	Industrial Park

Guépard GC1200ac

(Wireless Router/AP/Repeater/WISP)

EUROPEAN TECHNOLOGY

GC1200ac Dual-Band Ceiling Wireless Access Point

GC1200ac Ceiling Wireless Access Points is specifically designed to operate in set-ups for both residential and commercial applications. Integrated Qualcomm chipset and high RF power inside to assure full Wi-Fi coverage, good choice in old buildings or modern structures. Comply with the next generation 802.11ac Wi-Fi standard: working on 2.4GHz **11n** (300 Mbps) and 5GHz **11ac** (900 Mbps) simultaneously. Wireless speed up to 1200 Mbps together with Gigabit Ethernet port not only enabling modern users whom enjoy high speed surfing but also allows for very stable connectivity of control systems and the possibility of bridging and providing access simultaneously.

The very stable operating devices minimize the occurrence of auto resets and prevent faulty start-ups after resetting. The flexible with simple web interface (friendly GUI) which saving time configuration process for the installer.

Designed with the End-user in mind

The AP is designed with the end-user in mind. The very inconspicuous exterior makes sure it can be comfortable installed in most residential and commercial spaces.

Power over Ethernet

The **GC1200ac** can be powered fully with PoE (Power over Ethernet) minimizing power cable's needs throughout the building.

The **GC1200ac** can be ability configured in up to 8 separate SSID's (each SSID support tag VLAN) allow simulating different wireless networks like a guest network. These networks can be configured to give different users, different rights that are specific each user and their individual needs (e.g. access the network or dedicated parts of the network, access internet or just intranet, use VoIP, stream video, etc.).

The **GC1200ac** offers multiple security modes, which makes safe data transmission. The Unified Management System based on X86 base allows network administrators to centrally manage IP Address, SSID, Security Settings, firmware upgrading etc. for all the LAN APs. What's more, this wireless access point work with Cloud Management System, easy to do remote management, advertisement and captive portal authentication, which make this AP more professional in Wi-Fi Projects.

Applications

This high power, dual radio and high speed wireless access point can be deployed in a wide array of situations for both residential and commercial applications.

Residential Applications

Up to 80 meters (*Maximized to 150 meters*) Wi-Fi range, GC1200ac have ability providing full Wi-Fi range for residential work in Gateway operation mode like integrated all devices (wireless router, Wi-Fi repeater) which giving absolute cost effective connectivity.




Commercial Applications

Abilities covering Wi-Fi for 6-8 hotel rooms or 100+ end users. GC1200ac is matching public application of hotel, school, and shopping mall. Work with access point controller (AC), easy to management and central data configuration, together with advertisement and portal authentication.

Specification

HARDWARE*	
Chipset (3 Qualcomm chipsets)	Qualcomm Atheros (QCA9563 + QCA9882 +QCA8334)
RF	1200Mbps, 802.11ac/b/g/n standard, MIMO technology
Memory	128MB DDR2 RAM
Flash	16 MB
Interface	2 x RJ-45 for 10/100/1000 Mbps WAN/LAN Port (Support IEEE 802.3at POE)
	1 x Reset button (Reset & Factory Defaults)
	1 x Power DC Jack
Power	Plug-in DC:12V/1.5A PoE /WAN port: 48V/0.5A, Support IEEE 802.3at
Antenna	Build in 5dbi MIMO 4 antennas
Size	198mm x 198mm x 28mm
Weight	500g
RF (Radio Frequency)	
Frequency	2.412Ghz-2.472Ghz for 2.4GHz 5.180Ghz-5.825Ghz for 5.8GHz
	The supported frequency band is restricted by local regulations. Accordant with technical standard of U.S (FCC), Europe (ETSI), Japan, Korea and China (in covering 2.4 GHz & 5.8GHz).
Modulation	OFDM = BPSK,QPSK, 16-QAM, 64-QAM, 256-QAM DSSS = DBPSK, DQPSK, CCK
Throughput	1200 Mbps
RF MANAGEMENT**	
Strong RF with Wi-Fi coverage from 60 to 80 meters (Maximized to 200 meters) radius ~ 20,000 m ² area in line of sight environment or 20 meters radius same as 1,256 m ² area in non-line of sight environment (Max walls to penetrate: 3-5 walls).	
SOFTWARE	
Operation Mode	Gateway/Wireless AP/Repeater/WISP
Protocol/Standard	IEEE 802.11 b/g/n (2.4G WLAN) IEEE 802.11an/ac (5.8G WLAN)
Wireless	Auto-Channel selection Channel 1-13 for 2.4GHz Channel 36-165 for 5.8GHz

	Multiple SSID (8 SSID: 4 SSID for 2.4G and 4SSID for 5.8G)
Channel Bandwidth	20Mhz/40Mhz/80Mhz
Security	WEP Encryption - 64/128/152 bit
	WPA/WPA2 Personal (WPA-PSK using TKIP or AES)
	WPA/WPA2 Enterprise (WPA-EAP using TKIP)
	Hide and broadcast SSID
Firewall	DoS, SPI Firewall, IP Address Filter/MAC Address Filter/Domain Filter, IP and MAC Address Binding
MANAGEMENT	
System Settings	Web-based configuration (HTTP/Telnet)
Firmware Upgrade	Upgrade firmware via web browser or TFTP
Administration	Admin Password can be configured
System monitoring	Status in hand , useful statistic and Event log
Logs	Supports local logs, logs host, logs file export
Reset	Reset or factory defaults
Backup	Restore settings & configuration of the device to local file
Centralized management (for many APs)	Centralized management ability over AP Controller (GAC3000/GAC7000/GAC9500/GAC9600/GAC9800).
PHYSICAL PROPERTY	
Temperature	Working: 0°C~55°C (32°F~127°F)
	Storage: -40°C to 70°C (-40°F ~ 158°F)
Humidity	Working/ Storage: 5%~95% RH non-condensing
CERTIFICATIONS	
	
TECHNOLOGY & QUALITY	
EUROPEAN TECHNOLOGY / 100% PRODUCTS CHECKED BEFORE SHIPMENT/ 24 MONTHS WARRANTY POLICY	
ASSEMBLE IN CHINA	
PACKAGE	
GC1200ac complete set/ LAN Cable/ PoE 1Gbps Adapter (IEEE 802.3at, 48V/0.5A; AC 100V/240V)/ Setting accessory	

* **HARDWARE:** With power hardware (3 Qualcomm chipsets and high memory) - **GC1200ac** have simultaneous ability accesses up to 120 users surf internet (reading news, FB, G+, Twitter) or 60 video end users or 10 gamers.

** **RF MANAGEMENT:** **GC1200ac** can be flexible for decreasing or increasing WLAN coverage (Ex: can be adjusted WLAN coverage from 20 meters to 80 meters and quantities of walls to penetrate). **GC1200ac** can be flexible to extend more Wi-Fi zone without wire-connected by repeater feature.

Recommended: user should usual keep away from running AP at least 1-2 meters.