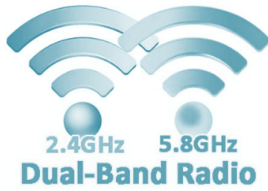# HIGH SPEED WIRELESS ACCESS POINT

QUALCOMM® *Professional Qualcomm Chipset*

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

HIGH SPEED

583Mbps throughput

DUAL-BAND RADIO

150 Mbps bandwidth for 2.4GHz (11n)
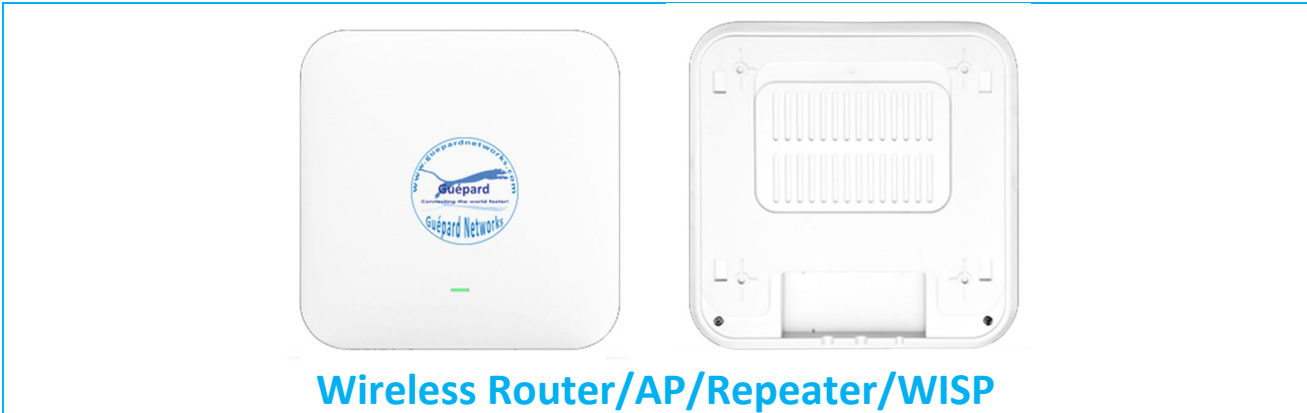
433Mbps bandwidth for 5.8GHz (11ac)

STRONG PERFORMANCE*

Simultaneous accesses up to 100 users

COVERING FOR LARGER AREA**

60-80 meters radius with RF management

EXTENDED WARRANTY

12 months + 6 months extended warranty policy

www.guepardnetworks.com

Wireless Router/AP/Repeater/WISP

802.11ac Wi-Fi TECHNOLOGY

USING MULTI-PURPOSES

| Hospitality | Home | Public | Generality | Industrial Park |

GC600ac Dual Band 11ac/11n
Wireless Router/Access Point/Repeater/WISP

GC600ac Professional Qualcomm Chipset, Comply with the latest generation of 802.11ac Wi-Fi Technology, 2.4GHz together with wider 5GHz band, data rate can be up to 583Mbps, improving overall network performance in high client density environment; With multiple operation mode like Wireless AP, Gateway, Work with AC Controller for centralized configuration and management, access into cloud server for advertisement and captive portal authentication for more business value.

GC600ac is 11ac standard dual band high performance wireless AP, work on both 2.4GHz and 5GHz, with 433Mbps 11ac (5GHz) and 150Mbps 11n (2.4GHz), Max total data rate can be 583Mbps, it allow accessing more end users, supply more stable and faster Wi-Fi access in high density of client environments such as hotel, meeting room, KTV, shopping mall... Support Wireless AP, Gateway, Wi-Fi Repeater to meet with different installation requirements; Work with WLAN Controller, centralized configuration and management, easy to achieve Wi-Fi Coverage and maintenance; Can access into cloud server to do remote monitor and Captive Portal authentication for more business value, best choice for enterprise Wi-Fi application;

583Mbps high speed and NAT high rate

GC600ac compliant with 802.11ac technology to provide up to 583Mbps data rate, 2 times faster wireless speed compared with 802.11b/g/n products. Then the NAT conversion rate is >93% s to achieve faster download and upload speed in a shorter time.

Centralized Management and Captive Portal Authentication Support

Work with WLAN Controller, centralized configuration and management, easy to achieve Wi-Fi Coverage and maintenance; Possibility access into cloud server to do remote monitor and Captive Portal authentication to bring more business value.

Beamforming Technology

GC600ac support new beamforming technology, it helps locate device and focus Wi-Fi signals towards, creating more stable and efficient connections.

Smart Wi-Fi Channel Analyzer

Analyzing Wi-Fi channels by analyzer tool in each frequency, administrator uses this tool to choose the optimization channel with less wireless AP to avoid channel interference.

RF Power manual adjustable, flexible application

With powerful amplifier, improved the Wi-Fi range for some area with less wireless AP; Ability cut down on RF power suitable for some high density of wireless AP area to avoid Wi-Fi interference.

Specification

Hardware

Wireless	802.11ac, 583Mbps MIMO Technology
Throughput	583Mbps
Interface	1 x 10/100Mbps auto-negotiation WAN port (POE port)

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	1 x 10/100Mbps auto-negotiation LAN port
	1x reset button, restored factory default
Antenna	Built in high gain OMNI 5dBi
Power	IEEE 802.3af, 48V (PoE/WAN port)
	Plug-in DC:12V/1.5A
Size	168mm x 168mm x 32mm
Weight	400g

Environment

Temperature	Working Temperature: 0°C~50°C (32°F~122°F)
	Storage Temperature: -40°C to 70°C (-40°F ~ 158°F)
Humidity	Working Humidity 5%~95% RH non-condensing
	Storage Humidity 5%~95% RH no-condensing

Certifications

* STRONG PERFORMANCE: With power hardware (2 Qualcomm chipsets and high memory) - **GC600ac** have simultaneous ability accesses up to 100 users surf internet (reading news, FB, G+, Twitter) or 60 video end users.

** COVERING FOR LARGER AREA: GC600ac can cover WLAN 60-80 meters (Maximized to 200 meters) radius same as 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).

ADJUSTABLE FLEXIBILITY: **GC600ac** 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). **GC600ac** 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.