



# 300 Mbps CEILING ACCESS POINT



HOSPITALITY	HOME	PUBLIC	GENERALITY	FACTORY

## Guépard GC300N

EUROPEAN TECHNOLOGY

**Guépard GC300N** is a best-in-class 802.11n indoor access point designed specifically for business-class environments such as hotels, airports, coffee shops, shopping centers, sporting venues, and university campus. With transfer rates of up to 300Mbps in the 2.4 GHz frequency range, the device provides an adequate level of service to all users who connect with legacy 802.11b/g adapters in addition to the latest 802.11n adapters for faster downloads and instant communication. Integrated Power over Ethernet (PoE) allows installation in areas where power outlets are not readily available. Internally equipped with 2X2 multiple-input, multiple-output (MIMO) antennas improve range and maximize data rates. Field tested to wirelessly cover 8-10 hotel rooms at an indoor operating distance of 30-60 meters and allow simultaneous accesses by up to 100 users.

HARDWARE*	
Chipset	Qualcomm QCA9531
RF	2T2R, 300Mbps MIMO tech , comply with IEEE 802.11N standard
Memory	128MB RAM
Flash	16MB
Interface	2 x RJ-45 for 10/100 Mbps WAN/LAN Port (Support 24V IEEE 802.3af POE)
	1 x Reset button(Reset & Factory Defaults)
	1 x Power DC Jack
Power	48V(POE 48V)/1A 110V/220V
Antenna	Build in 2PCS Omni 5dbi antenna
Size	118mm x 118mm x 50mm
RF (Radio Frequency)	
Frequency	2.4~2.4835GHz; 802.11b/g/n
	The supported frequency band is restricted by local regulations. Accordant with technical standard of U.S.(FCC), Europe (ETSI), Japan and Korea (in covering 2.400 to 2.4835 GHz).
Modulation	OFDM = BPSK,QPSK, 16-QAM, 64-QAM
	DSSS = DBPSK, DQPSK, CCK
Throughput	300 Mbps
RF MANAGEMENT**	
Strong RF with Wi-Fi coverage to 80 meters radius ~ 20,000 m <sup>2</sup> area in line of sight environment or 20 meters radius same as 1,256 m <sup>2</sup> area in non-line of sight environment (Max walls to penetrate: 3-5 walls).	
SOFTWARE	
Operation Mode	Gateway/ AP/ Repeater/WISP
Protocol/Standard	IEEE 802.3 (Ethernet)
	IEEE 802.3u (Fast Ethernet)
	IEEE 802.11 b/g/n (2.4G WLAN)
Wireless	Auto-Channel selection
	Distance Control (802.1x Ack timeout)
	Multiple SSID (4 SSID)
	BSSID
Security	WEP Encryption - 64/128/152 bit
	WPA/WPA2 Personal (WPA-PSK using TKIP or AES)
	WPA/WPA2 Enterprise (WPA-EAP using TKIP)
	Hide SSID

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 <i>(for many APs: up to 1024 pcs)</i>	Centralized management over core gateway router/ controller (GAC3000, GAC7000, GAC9500, GAC9600, GAC9800)
PHYSICAL PROPERTY	
Temperature	Working: 0°C~55°C/ Storage: -20°C to 70°C
Humidity	5%~95% (typical)
TECHNOLOGY & QUALITY	
EUROPEAN TECHNOLOGY / 100% PRODUCTS CHECKED BEFORE SHIPMENT/ 24 MONTHS WARRANTY POLICY	
ASSEMBLE IN CHINA	
PACKAGE	
GC300N/ PoE Adapter/ LAN Cable/ Ceiling mount kit	

**NOTE:**

\* **HARDWARE:** With power hardware - **Guépard GC300N** have simultaneous accesses ability up to 60 users surfing internet (reading news, FB, Twitter...) or 30 video/game online end users.

\*\* **RF MANAGEMENT:** **Guépard GC300N** can be flexible for decreasing or increasing WLAN coverage (Ex: can be adjusted WLAN coverage from 10 meters to 200 meters and quantities of walls to penetrate). **Guépard GC300N** 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.**