

# OUTDOOR WIRELESS ROUTER & ACCESS POINT

## 7800Mbps

### Tri-Band 2.4GHz/Dual 5GHz

### IEEE 802.11AX/AC/N/G/B/A

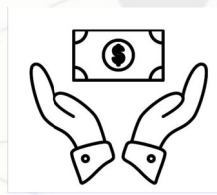
**WiFi 6**



Professional Qualcomm Chipset  
Comply with the latest generation of 802.11ax Wi-Fi Technology



Hospitality



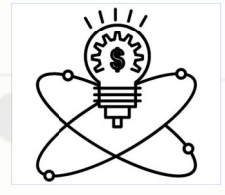
Home



Public



Generality



Industrial Park

# Guépard 7800Mbps Outdoor

(Outdoor wireless Router/AP)

US & EUROPEAN TECHNOLOGY

## Guépard 7800Mbps Outdoor Tri-Band wireless Router/Access Point


**Guépard 7800Mbps Outdoor** wireless Router/Access Points is specifically designed to operate in set-ups for both residential and commercial applications. Integrated Qualcomm chipset and high RF power to assure full Wi-Fi coverage (wireless distance up to 200 meters) good choice in wide and airy terrain such as: Beach, stadium, school campus, golf course, airport, station, wharf. Comply with the next generation 802.11ax Wi-Fi standard (Wi-Fi 6): working on 2.4GHz **11ax** (600 Mbps) and 5GHz **11ax** 6200Mbps (4800Mbps + 2400Mbps) simultaneously. Wireless speed up to **7800 Mbps** together with 2.5 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.

### 2.4G & 5G (5.1/5.8G) tri-band concurrent

Provide 2.4G & 5G (5.1/5.8G) wireless signals in three different frequency bands tri-band concurrent rate up to 7800Mbps;  
 Using Wave2 MU-MIMO wireless technology, it can simultaneously connect 320 wireless terminal devices and increase the average bandwidth of each terminal by 3 to 4 times;  
 Light speed transmission, don't miss every detail; stable performance, stable win ticket.

7800 Mbps

-  2.4G 600Mbps
-  5.1G 4800Mbps
-  5.8G 2400Mbps



### Working ability in harsh environments

**Guépard 7800Mbps Outdoor** protected by aluminum alloy material shell which avoid the damage from dust, rain, high humidity and direct sunlight. So **Guépard 7800Mbps Outdoor** adapt to various environments where temperature normal can be -20°C to 70°C. It's suitable for harsh environments.





**Full body Aluminum IP65 dustproof/waterproof design, adapt to various outdoor harsh environments**

Guépard 7800Mbps shell adopts a new generation of Aluminum alloy materials, which can effectively shield the interference of external signal to the host, and at the same time assist the motherboard to dissipate heat, can adapt to various outdoor thunderstorms, direct sun, tropical rain, snow and other harsh environments.



**High performance**



With strong and high-class hardware, the **Guépard 7800Mbps Outdoor** can be serving 320 active users connectivity at the same time.

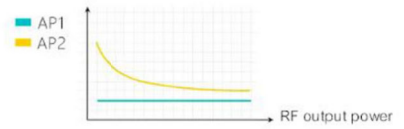
## Adjustable RF power



Before adjusting the wireless transmission power

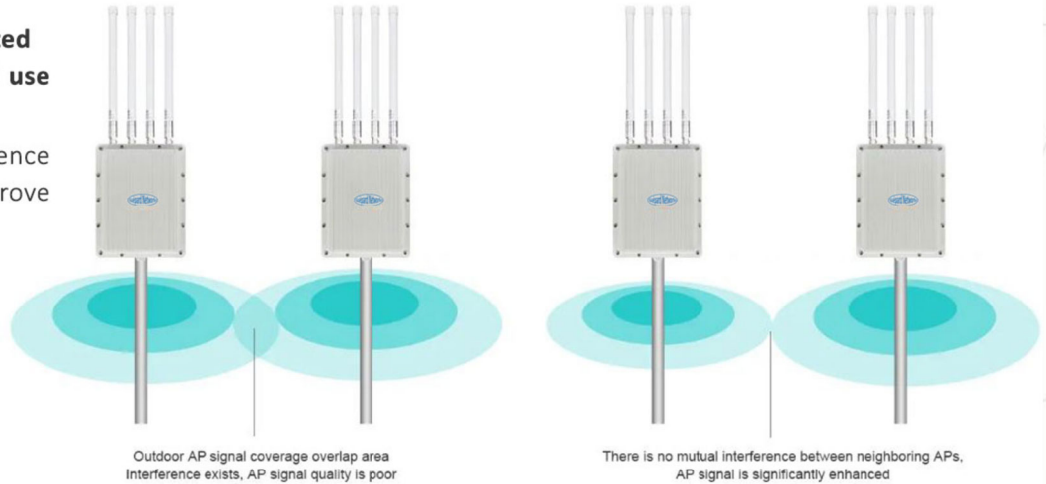


After reducing the wireless transmission power



**RF power can be adjusted according to the actual use environment**

Reduce mutual interference between APs and improve wireless stability



## Wide area signal coverage



### 400 meters wide area signal coverage

Smoothly transfer all kinds of data, goodbye losing signal.

Guépard 7800Mbps high-power base station AP can cover a wide area of 400 meters, Can easily meet the large-scale coverage needs of outdoor WiFi projects, Special optimization of high-power signals through wireless technology, Ensure that the signal is strong enough and the signal is more stable.



Wide area signal coverage which will save cost and increasing users experience



### Power over Ethernet

The **Guépard 7800Mbps Outdoor** can be powered fully with PoE (Power over Ethernet) minimizing power cable's needs throughout the building or structures.

The **Guépard 7800Mbps Outdoor** can be ability configured in up to 12 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, gaming etc.).

The **Guépard 7800Mbps Outdoor** offers multiple security modes, which makes safe data transmission. The Unified Management System (AP Controller) 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 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, Tri-band radio and high speed wireless access point can be deployed in a wide array of situations for both residential and commercial applications.

## Multiple Application Scope

Tri-band high speed  
fit for many environments which request for multiple users access,  
like airport/ pier/ school/ station/ meeting hall.



### 802.11ax advantages

802.11ax (Wi-Fi 6) have more advantages than before (Wi-Fi 5). Which will bring users increasing good experience with better security as: Increase WiFi speed, stable network, increase efficiency due to OFDMA, MU-MIMO, enhance security with WPA3 encryption standard.

<b>Wireless throughput</b>	<b>7800Mbps</b>
Model	GC1200ac
Type	Outdoor
<b>Category</b>	<b>Professional</b>
Client capacity (simultaneous access)	160 clients ( <i>Recommended</i> ) Max 320 clients ( <i>Lowest sharing bandwidth</i> )
Chipset (SoC)	<b>Qualcomm</b>
<b>Interfaces</b>	
WAN	1 x 2.5GbE copper (Support IEEE 802.3bt PoE)
LAN	-
LED light	WAN
<b>Wireless</b>	
Wireless technology supports	<b>WiFi 6</b>
Data Rate	<b>7800Mbps</b>
Frequency (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 GHz ).)	2.4GHz+Dual 5GHz
Channel Bandwidth	20Mhz/40Mhz/80Mhz/160Mhz
Modulation	OFDM = BPSK,QPSK, 16-QAM, 64-QAM, 256-QAM
<b>Antenna (included)</b>	<b>6x6dBi connectors (external antenna) (Mu-MIMO technology)</b>
Emitted distance in LOS (meter)	Up to <b>200m</b> (400m wide area) 150m recommended (300m wide area)
<b>Function</b>	
Operation Mode	Router/AP
Protocol	IEEE 802.11b/g/n/ax (2.4G WLAN) IEEE 802.11 a/n/ac/ax (5G WLAN)
SSID (Support Multi-SSID)	- 12
VLAN (support tag VLAN and VLAN management)	IEEE 802.1Q
Security	WPA/WPA2/WPA3
System Settings	Web-based configuration



Configuration Backup	Restore device's settings & configuration to local file
Centralized management	Centralized management ability over AP Controller
<b>Environment</b>	
DC Power	DC:12V-2A
<b>PoE Adapter (included)</b>	<b>48V/802.3at/2.5GbE</b>
Power Consumption	~26W
Cover material	Aluminum alloy
ESD and surge protection	Yes
Water-proof Level	IP65
Operating Temperature	-20°C~70°C
Humidity	5%-95% non-condensing
<b>Dimensions</b>	
Shape	Circle
Height x Width x Length (mm)	295 (H) x 231 (W) x 80 (L)
Diameter x Height (mm)	
Height x Width x Length (inches)	11.61 (H) x 9.1 (W) x 3.2 (L)
Diameter x Height (inches)	
Form Factor	Post Mounted
Weight (kg)	1.86
Weight (lb)	4.1
<b>Technology &amp; Quality</b>	
US & European technology (100% products checked 02 times before shipment)	24 months warranty
<b>Package</b>	
AP complete set/ 6 x 6dBi connectors (external antenna)/ LAN Cable/ PoE 2.5Gbps Adapter (IEEE 802.3at, 48V/0.5A; AC 100V/240V)/ Setting accessories	
<b>Regulatory Compliance</b>	
FCC, CE, Rohs	

\* **HARDWARE:** With power hardware (04 pcs Qualcomm chipsets and high memory) - **Guépard 7800Mbps Outdoor** have simultaneous ability accesses up to 320 users surf internet (reading news, access website, FB, X, Google...) or 160 video streaming, Netflix ... end users.

\*\* **RF MANAGEMENT:** **Guépard 7800Mbps Outdoor** can be flexible for decreasing or increasing WLAN coverage (Ex: can be adjusted WLAN coverage from 100 meters to 200 meters and quantities of walls to penetrate). **Guépard 7800Mbps Outdoor** can be flexible to extend more Wi-Fi zone with AP Controller.

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