



# Dual Band 11ac/11n 1200 Mbps

## AP/CPE OUTDOOR LONG-DISTANCE WIRELESS

Model: GOL1200ac



ADVANCED TECHNOLOGY



HOSPITALITY	PUBLIC	GENERALITY	INDUSTRY

GOL1200ac was integrated Qualcomm's chipsets. This is an 11ac 1200Mbps High Power Outdoor CPE/AP/Router/WISP, wireless distance can be 500-2.000 meters (a pair CPEs). This Outdoor CPE with the next generation on 802.11ac Wi-Fi standard combined 1200Mbps Wi-Fi speed over 2.4GHz (300Mbps) and 5GHz (900Mbps) and equipped Gigabit WAN port, Gigabit Ethernet data rate can be taking care 40-80 end users at the same time. Matching access demand to enjoy seamless HD movies, streaming, online gaming, wireless security and other bandwidth-intensive tasks.

**GOL1200ac** with user-friendly Web management interface and multi-operation mode like: AP, WDS, Repeater, Gateway, WISP multi-function for many applications.

## 1200Mbps high data rate and high conversion rate

**GOL1200ac** compliant with 802.11ac technology providing up to 1200Mbps data rate, 4 times faster wireless speed compared with 802.11b/g/n products. And NAT conversion rate >93% to achieve faster download and upload speed in a shorter time.

### 2.4GHz&5GHz Outdoor Long Range Wireless Transmission and Coverage

Comply with new and latest 11ac Technology, pure 2.4GHz&5GHz band, 1200Mbps Data Rate, faster wireless speed with less Wi-Fi interference, signal more stable, widely be used in wireless security or long range PTP/PTMP connections.

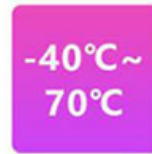


### Working ability in harsh environments

**GOL1200ac** protected by ABS case with waterproof, dust-proof ability and sunscreen shell which avoid the damage from dust, rain, high humidity and direct sunlight. So **GOL1200ac** adapt to various environments where temperature normal can be  $-40^{\circ}\text{C}$  to  $70^{\circ}\text{C}$ . It's suitable for harsh environments.

#### Professional Outdoor Shell+Internal Lightning Protection Design, Suit for multiple Harsh Environment

Adopt outdoor ABS plastic shell and Professional lightning protection components, provide IP65 water-proof, dust-proof, suit for multiple harsh environment. Even in extreme hot and cold environment ( $-40^{\circ}\text{C}$ - $70^{\circ}\text{C}$ ), also can work stable.



### Power over Ethernet

**GOL1200ac** has integrated IEEE 802.3at Power over Ethernet (PoE) port (10/100/1000Mbps) for easy installation and lower cost. So it can be installed in areas where power outlets were not ready, eliminating the mess of altering existing network infrastructure.

### Adjustable RF power

The transmission RF power is adjustable based on environment. Cut down RF power in place with high density of people or wireless AP, or increase RF power in long range place to improve the performance.

### High Power for more range and stable signal

Designed in two line power amplifiers on PCB board which give device obtain highest power and 15-18 dBi sector high gain antenna integrated. That's why the Wi-Fi range can transmit 2 Km distance (a pair of CPEs). Increasing the Wi-Fi range and supplying stable Wi-Fi signal for users (between CPE and users).

Outdoor Water-Proof/Lightning Protection,  
Wireless Transmission Range up to 2 KM



## Long Distance Gigabit Dual Band Outdoor Wireless Bridge- **GOL1200ac**

2.4GHz & 5GHz Frequency 1200Mbps High Speed Wireless  
Transmission and Coverage



### Solution for Outdoor Video Data Transmission

- ✓ 2.4G&5.8G Broadband Solution
- ✓ PTP/PTMP Connection
- ✓ DC/PoE Power Available
- ✓ 1200Mbps High Speed Wireless Transmission and Coverage
- ✓ Mobile Web Advance Configuration
- ✓ Simple Installation and Debugging

## The Wireless Distribution System

WDS Bridge. The Wireless Distribution System (WDS) allows you to connect multiple Access Points. With WDS, APs communicate with one another without wires in a standardized way. This capability is critical in providing a seamless experience for roaming clients and for managing multiple wireless networks.

### Multiple Operation Mode

Super WDS/Gateway/Repeater/WISP/Wireless AP operation mode, can meet multiple Wi-Fi transmission scheme demands



Gateway Mode



Repeater Mode



WISP Mode



AP Mode

Current Mode



Super WDS Mode



## Access Controller System

Working with WLAN controller (Guépard Controller) in wireless AP operation mode, easily access advanced network settings through PC like: APs and end users status monitor, change IP address, SSID, Channel, Password, upgrade firmware, backup and restore....

Easy to do centralizing and remote management over VPNs, advertisement and multi authentication make this device more professional in WiFi Projects.

### Multi-Function application

GOL1200ac is a useful outdoor device which can transmit data over RF wireless at any vast scene like: Square, Shipping center, scenic, factory, dock, construction site, parking lot, beach, IoT farm...

### Multiple Application Scenes



Shipping Center



Scenic



Factory



Dock



Construction Site



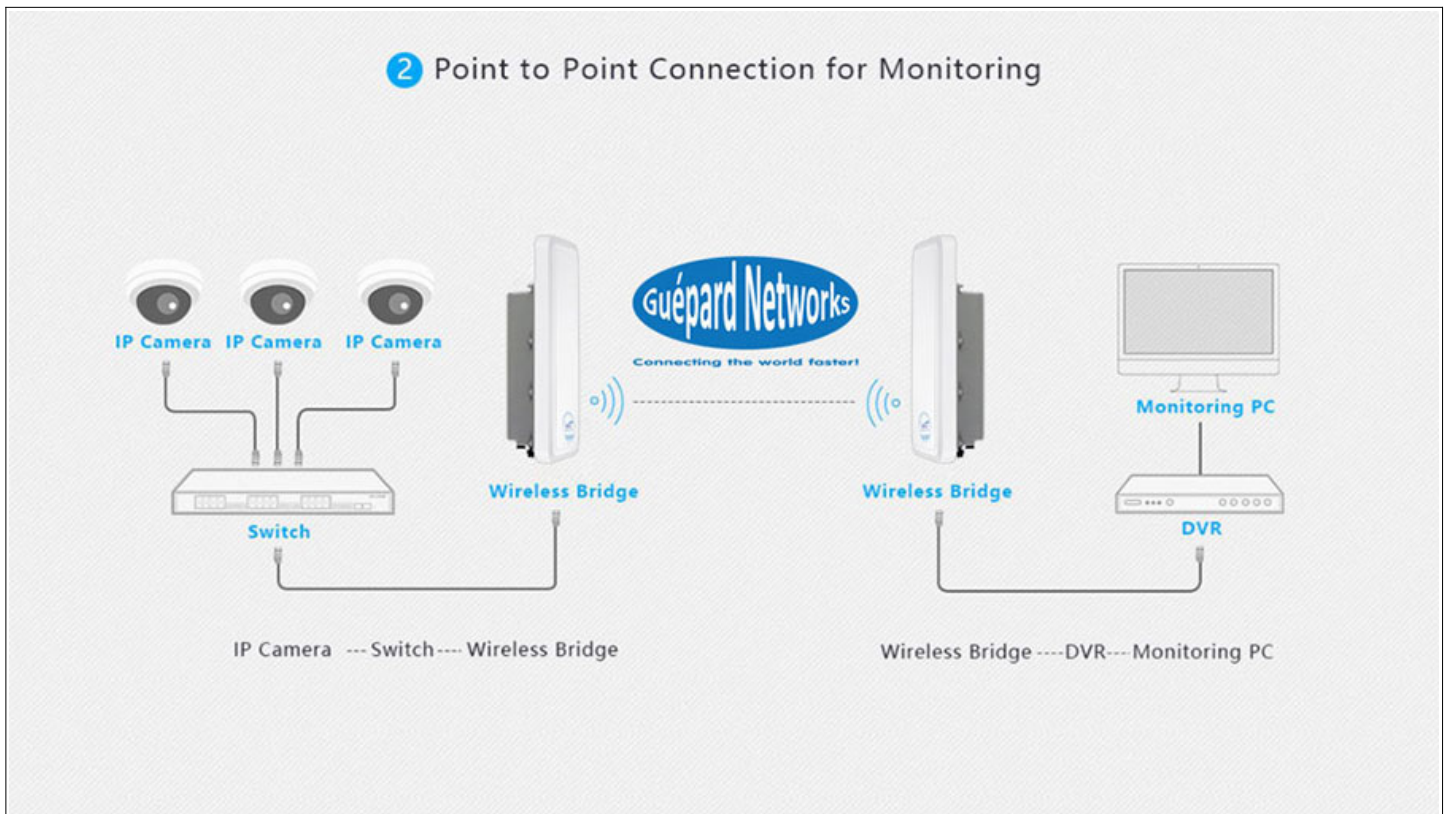
Parking Lot

Topology

1 Point to Point Connection for Elevator Monitor

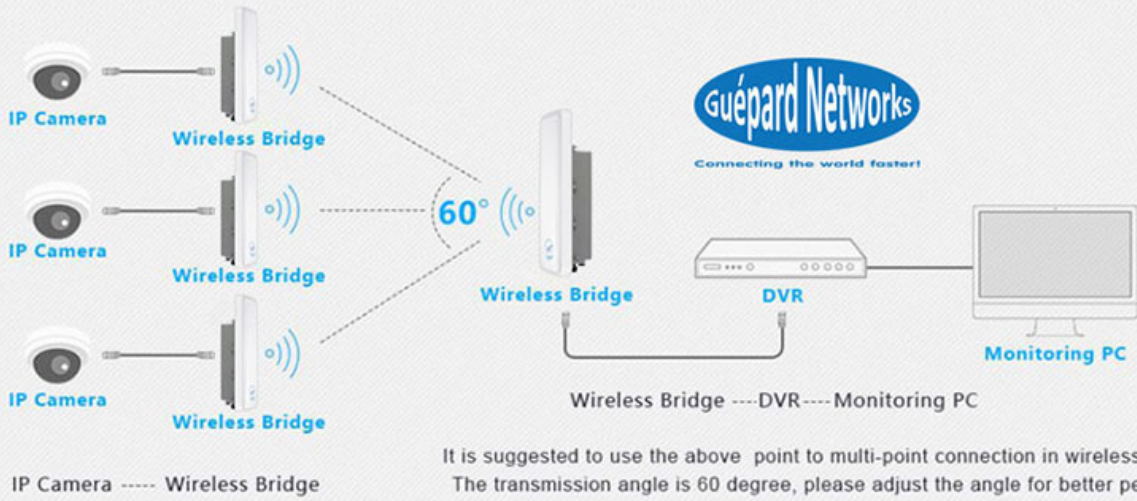


2 Point to Point Connection for Monitoring

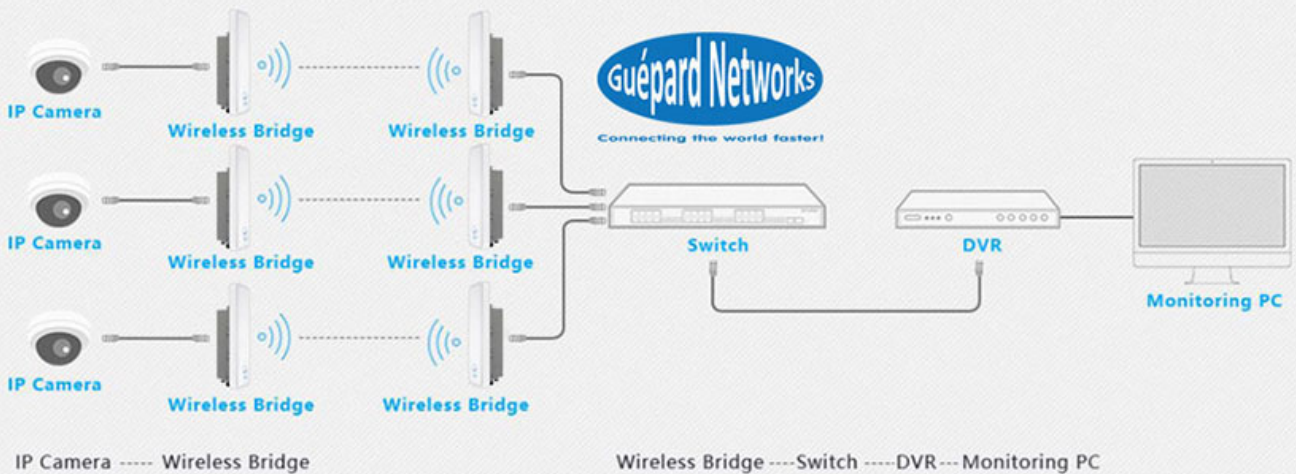




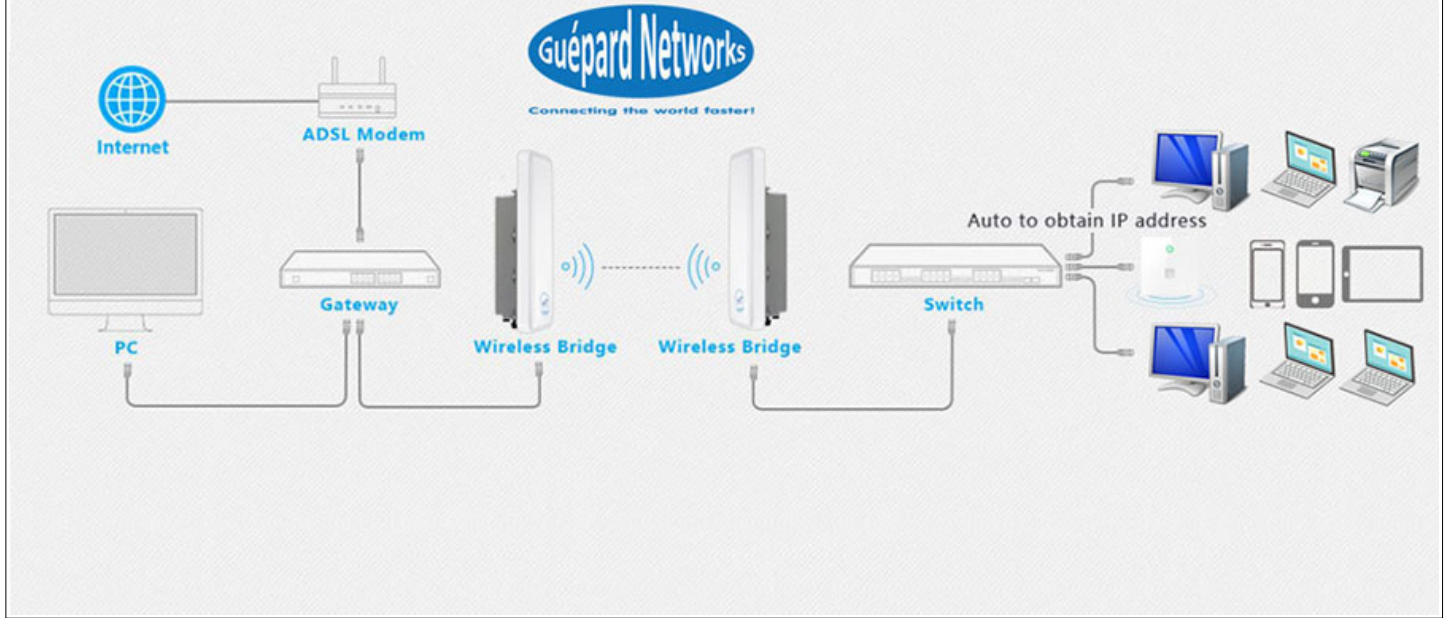
**3 Point to Multi-Point Connection**



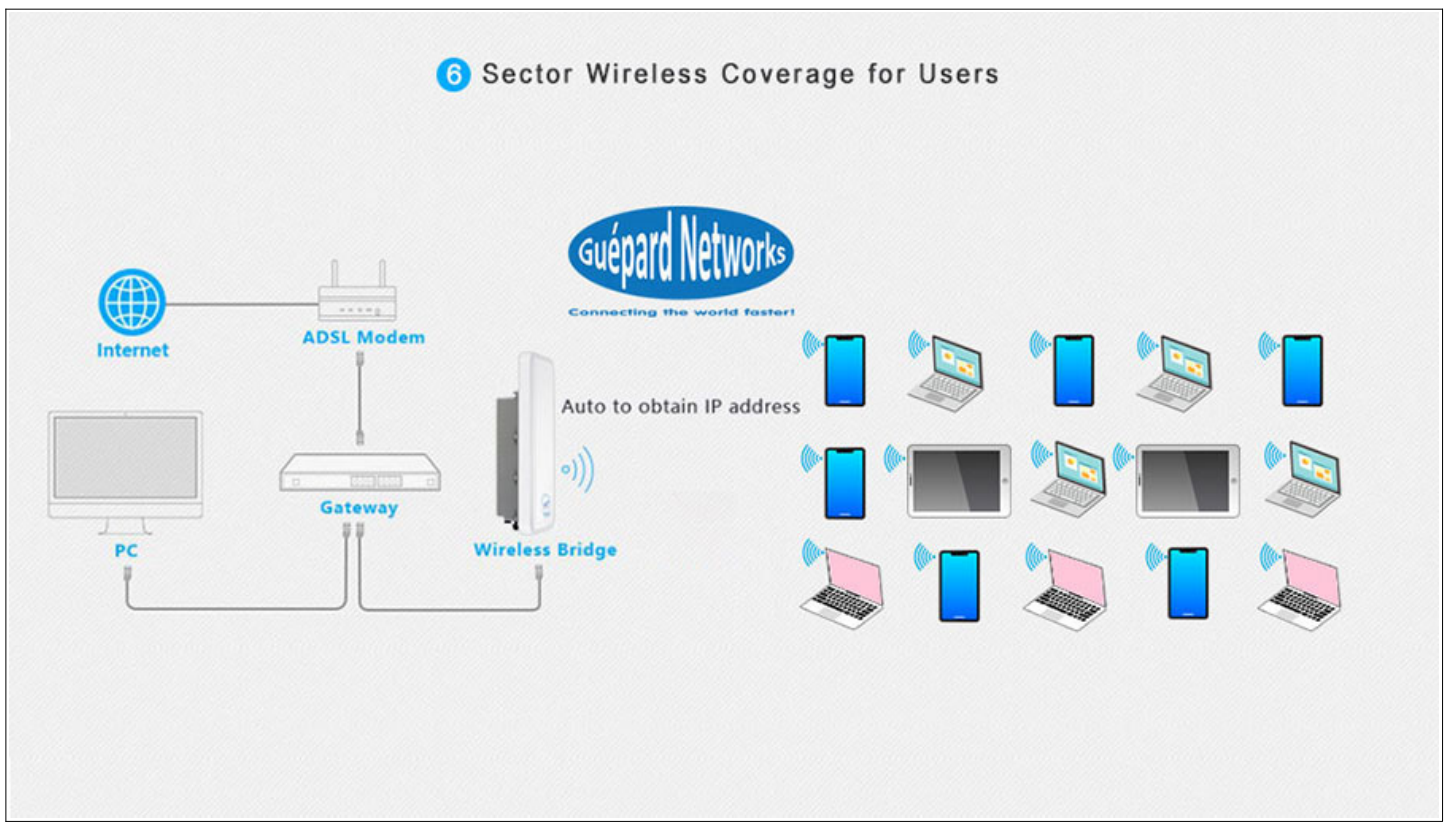
**4 Multi-Point to Multi-Point Connection for Wireless Monitoring**



5 Point to Point Connection for Wireless Coverage



6 Sector Wireless Coverage for Users






## High quality products with [02 years warranty](#)

All components and accessories of device supplied by prestige manufacturers (Qualcomm, Skyworks, muRata, TDK, Windbond, Yageo, Nanya...) in USA, Japan, Taiwan and China. So you can trust Guépard products' quality which run robust, stable and durable. That's why Guépard Networks extend period warranty from 18 months to 24 months (**02 years of warranty**).

## Specification

HARDWARE	
Chipset	Qualcomm (QCA9563 + QCA9882 +QCA8334)
IEEE (Wireless standard)	802.11b/g/n/ac
Memory	128 MB DDR2 RAM
Flash	16 MB
Interface	1 x RJ-45 for 10/100/1000Mbps WAN Port
	1 x Reset button, press longer for default settings
Power	IEEE 802.3at standard PoE 48V
Antenna	2 x 15dBi panel antenna (2.4 GHz) 2 x 18dBi panel antenna (5 GHz)
Size	420mm x 250mmx 90mm
Weight	3000g
RF (Radio Frequency)	
Frequency	<b>2.4GHz:</b> 802.11b/g/n; <b>5GHz:</b> 802.11a/an/ac
International regulations	The supported frequency band is restricted by local regulations. Accordant with technical standard of U.S (FCC), Europe (ETSI), Russia, Japan, China and Korea (in covering 2.4GHz and 5GHz).
Bandwidth	<b>1200 Mbps (2.4GHz+ 5GHz: 300Mbps + 900Mbps)</b>
RF MANAGEMENT	
Strong RF with Wi-Fi coverage 60° degree and 500 meters distance (AP/Gateway Mode) ~ 130.000m <sup>2</sup> area in line of sight environment. And (PTP/PTMP) backhaul creation as CPE device with 500 – 2.000 meters distance in line of sight environment.	
FIRMWARE	
Operation Mode	AP/ Repeater/Gateway/ WDS Bridge/WISP
Router mode	Dynamic IP/Static IP/PPPoE/L2TP (Dual Access) /PPTP (Dual Access)
Networks	IEEE 802.3x (ab/ac/at)
Wireless	IEEE 802.11 b/g/n/a/ac (2.4G & 5G WLAN)
	Multiple SSID, 4 SSID in 5.8G and 4 SSID in 2.4G

<b>Authentication</b>	WPA/WPA2, WPA-PSK/WPA2-PSK
	WPA/WPA2 Personal (WPA-PSK using TKIP or AES)
	WPA/WPA2 Enterprise (WPA-EAP using TKIP)
<b>Basic Firewall</b>	IP address filter/MAC address filter/URL filter;/Port forwarding/DMZ host
<b>MANAGEMENT</b>	
<b>System Settings</b>	Web-based configuration
<b>System monitoring</b>	Statistic status and System log
<b>Logs</b>	Supports local logs, log host
<b>Reset</b>	Reset to factory defaults
<b>Backup</b>	Restore settings & configuration of the device to local file
<b>Centralized management</b> <i>(for many APs: 64 – 2.048 pcs)</i>	Centralized management ability over AP Controller (Guépard GAC3000, Guépard GAC7000, Guépard GAC9500, Guépard GAC9600, Guépard GAC9800). 64 – 2.048 APs
<b>PHYSICAL PROPERTY</b>	
<b>Temperature</b>	Working: -40°C~70°C
<b>Humidity</b>	5%~95% (typical)
<b>TECHNOLOGY &amp; QUALITY</b>	
<p><i>NEW ADVANCED TECHNOLOGY INTEGRATED BY MANY WORLD FAMOUS NETWORK PRODUCT PROPRIETIES</i></p> <p><b>24 MONTHS WARRANTY POLICY AND SUPPORT SERVICE</b></p> <p><i>100% PRODUCTS CHECKED TWICE BEFORE FACTORY RELEASE</i></p> <p><b>GUÉPARD NETWORKS™ Inspired of French</b></p> <p><i>ALL COMPONENTS AND ACCESSORIES SUPPLIED BY PRESTIGE MANUFACTURERS (QUALCOMM, SKYWOKS, muRata, TDK Windbond, Yageo, Nanya...)</i></p> <p><i>Assemble in China</i></p>	
<b>CERTIFICATION</b>	
  	
<b>PACKAGE</b>	
Guépard GOL1200ac/ PoE Adapter 1Gbps-48V/ mount-kit	

***Recommended: user should usual keep away from running AP at least 2-5 meters.***