



## Simply Description

### Hardware

G-AP-RIC410 uses the latest MTK wireless solution, the MT7621, the clock frequency is as high as 880MHz, provide 5 gigabit Auto MDI/MDIX Ethernet port, 1×USB 3.0 port ,1×Micro SD card ,1 X SATA port.

### Wireless

Support IEEE802.11ac/n/g/b/a wireless protocol, max wireless rate could be 1167Mbps , 4×5Dbi high gain antennas , perform better and cover larger.

## Product Features

- ◆ Latest Dual core network chipset MT7621,Clock Frequency get 880Mhz
- ◆ Provide 5 gigabit Auto MDI/MDIX Ethernet port
- ◆ 1 USB 3.0 port+1 SATA port
- ◆ Provide 1 Micro SD Card slot+1 mini PCIE slot+1 SIM card slot
- ◆ support IEEE IEEE802.11AC/N/G/B/A wireless protocol
- ◆ The transmission rate get to 1200Mbps

## Specification

Hardware Specification	
Main Chipset	MT7621/Dual Core/880Mhz
RAM	DDR3 RAM 512MB (MAX512MB)
FLASH	SPI FLASH 16MB (MAX32MB)
Protocol Standard	IEEE 802.11ac,IEEE 802.11a IEEE 802.11n,IEEE 802.11g,IEEE 802.11b; IEEE 802.3,IEEE 802.3u;



Wireless Rate	5G : 867Mbps 2.4G: 300Mbps
Work Frequency	2.4GHz/5.8GHz
Antenna	4 * 5dBi high gain antenna or 6 external antenna (Adding 3G or 4G module)
Interface	1*10/100M/1000M WAN Port, Auto MDI/MDIX 4*10/100M/1000M LAN Port, Auto MDI/MDIX 1*USB 3.0 port 1*Mini-PCIE slot 1 SIM card slot
LED	PWR.SYS.USB.2G.5G.WAN, LAN1-4
Button	1*RESET
Power consumption	< 24W
Adapter	DC 12V 2A
<b>Others</b>	
Work Environments	Operating Temperature: -10°C ~ 60°C; Storage Temperature: -40°C~ 70°C; Operating Humidity: 10%~90% non-condensing Storage Humidity: 10%~90% non-condensing
Authentication	FCC, CE, ROHS

#### COMMON FEATURES CHT

Its patented and **embedded Cognitive Hotspot Technology (CHT)** ensures users of your WiFi network will enjoy supreme performance even in the most adverse conditions. Thanks to its **automatic resource optimization and control** based on artificial intelligence, Galgus' APs appropriately suit many different scenarios. In addition, the site administrator will find it easier to operate the network, with a **powerful and intuitive optional cloud management system**: You can handle your network from a single location and extract more valuable information from your infrastructure.

A network with Galgus' APs:

- **Avoids typical problems** from those solutions with centralized controllers or cloud controllers such as lack of adaptability and robustness, single points of potential failure, delays in decision making, bottlenecks, traffic efficiency drop...

- Drastically **reduces operating costs and increase performance**, as CHT is responsible for optimizing the network in real-time automatically without human intervention: allocation of radio resources, channels, bandwidth, load balancing and prebalancing, airtime fairness, smart and predictive roaming, traffic congestion management, automatic power control, multicast, multicast to unicast conversion, device location and tracking, etc.

- **Adds an enormous value** to the existing infrastructure (location and tracking of connected users even if they falsify their MAC address, detecting, mitigating and even locating hacker attacks, generating heat maps in real-time, as well as discovering and exploiting the amendments that support the devices), allowing the owner of the network to use the data obtained without violating the user' privacy.

**Simplifies** administrators' life, thanks to its Zero-Touch Provisioning philosophy for immediate deployment and advanced enterprise-grade management features (cloud management, REST API, captive portal and integration with social login, dynamic VLANs, WPA enterprise with Radius support, and modular licenses with auto-download system).