



Residential Router WIFI 1167Mbps Dual Band 2x2 MIMO 802.11a/b/g/n/ac



Galgus RIC400 delivers the best election for many small indoor wireless communication for residential and SOHO environments, type of 802.11ac.

This product is the ideal one for small indoor low-medium density scenarios, such as homes, small coffee shops, small offices, small restaurants,....

Hardware:

WE4626 uses the MTK7628A chipset, CPU up to 580Mhz, installed the large capacity SDRAM and the high speed SPI FLASH。 provide 5 10/100Mbps Auto-MDI/MDIX port, 2.4G 300Mbps and 5G 867Mbps named 1200M dual band wireless network, 1*USB2.0 port, 1*TF card slot.

Wireless;

Support IEEE802.11ac/n/g/b/a network protocol , used 2x2 MIMO(Multiple Input Multiple output), the wireless transmission speed can be up to 1200M, 4 external antennas. Wifi coverage is around 50 meters.

Features:

- MT7628A chipset, CPU up to 580MHZ
- Support IEEE 802.11b,IEEE 802.11g,IEEE 802.11n, IEEE 802.11a, IEEE 802.11ac wireless protocol, support IEEE 802.3,IEEE 802.3u standard,1
- 10/100MAuto-MDI/MDIX WAN port; 4 10/100MAuto-MDI/MDIX LAN port.
- Wireless rate up 1200Mbps
- One push to rest mode.
- Support USB2.0
- Support TF card
- Support several encryption mode, such as WEP, WPA and WPA2.



Specification:

Main chipset	MT7628A/580MHZ
RAM	DDR2 64MB (MAX DDR2 256MB)
FLASH	SPI 8MB (MAX 32MB)
Protocol	IEEE802.11n/802.11g/802.11b/802.11a/802.11ac/802.3/802.3u
WiFi Rate	Max 1200Mbps
Wifi Frequency	2.4GHz\5GHz
Tx POWER	11n: 17dBm \pm 1dBm 11g: 17dBm \pm 1dBm 11b: 19dBm \pm 1dBm 11a: 16dBm \pm 1dBm 11ac: 14dBm \pm 1dBm
Rx Sensitivity	11n: -82dBm 11g: -82dBm 11b: -76dBm 11a: -82dBm 11ac: -76dBm
Antenna	4 external antennas
Interface	1*10/100M Auto-MDI/MDIX WAN port 4*10/100M Auto-MDI/MDIX LAN port 1*DC port 1*USB 2.0 port 1*TF card slot
LED	power/5G/2.4G/WAN/LAN1/LNA2/LNA3/LNA4
Button	1*Reset button
Powering	12/1A I _{max} :600mA
Environmental conditions	Operating Temperature: 0°C ~ 40°C; Storage Temperature: -40°C~ 70°C; Operating Humidity: 10%~90% non-condensing Storage Humidity: 10%~90% non-condensing



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).