HLK-RM04 UART To WIFI With Internal Antenna Test Board

Description:

 Features: with a wireless router a full set of features:

1. Support the AP (wireless access point), the Client (Client), the Repeater (wireless relay), Bridge (wireless Bridge), the Router (wireless Router) five working mode

AP mode - The default work mode. This mode device is a wireless access point, support plug and play, no configuration.

The Router mode - This mode device is equivalent to a wireless Router, the wired interface as the WAN, the wireless LAN. Multiple wireless clients can share a broadband link on the Internet.

Repeater mode - Use of equipment of the wireless relay function, realizes the wireless signal relay and amplified, and form a new wireless coverage area, finally achieve the goal of extending wireless network coverage.

Bridge model - Use of equipment of Bridge function, first RM04 set up a wireless connection with the front end of wireless network, a wireless signals, and then itself to form a new wireless coverage, can effectively solve the problem of weak signal and signal blind spots, such as wireless coverage.

Client work mode - In this mode the AP for the AP is wireless Client, equivalent to a wireless network card.

2. 10/100 m adaptive Ethernet interface module integration, the serial communication baud rate is as high as 230.4 Kbps 1, a serial port turn WIFI module, a serial port turn Ethernet module, Ethernet switch WIFI multi-function WIFI module, a serial port server module, make it easy for your serial port device connected to the Internet, transparent two-way data transmission, to ensure the highest limit of ease of use and compatibility.

3. By using the world's top network chip suppliers LeiLing ralink solution, raw materials adopt TDK / / murata, big brands, stable and reliable basis.

4. The system core is suitable for the security of the reliable and long-term running system application

5. Size: 40 * (29) smaller than credit card a third.

6. Working temperature: : - 20 ~ 60 degree..

7. The built-in 360 m of MIPS CPU, 16 m and 4 m FLASH and wireless baseband and rf front end and a variety of peripheral bus.

8. Through CE and FCC certification, support the IEEE 802.11 b/g/n, support transparent protocol data transmission mode.

9. Most support WIFI encryption methods and algorithms, WEP/WAP wpa2-psk/WAP2 wpa2-psk/WAPI, WEP64 WEP128 / TKIP/AES encryption type.

10. AT + instruction set configuration, provides the friendly Web configuration page, through a Web configuration.

11. The optional built-in onboard or external antenna

12. Support wireless work in AP model and node (Station), the real hardware AP, support iphone and android systems all WIFI connection, support functions of AP and Station online at the same time

13. Optional TCP Server/TCP Client/UDP work mode, support network protocol: TCP/UDP/ARP, ICMP/HTTP/DNS/DHCP

14. Support DHCP automatically obtain IP, support work in AP mode to assign IP from the device

15. a serial port speed is adjustable, the highest support 230400