HLK-RM02 Brief Introduction  (smallest router in the world)：

**Support serial to wifi,serial to RJ45,RJ45 to wifi.**

**Support TCP/UDP/HTTP/ DHCP**

**Support transparent transmission**

HLK-RM02 is a Mini wireless router basic with the Ralink RT5350 main chip. 5V power supply, the 2.4GHz ISM band, accord with wireless IEEE802.11b/g/n standard protocol. This module allows the user to access 802.11b/g/n Wi-Fi Internet and surf the net easily.

1、Hardware

◆One 10/100Mbps WAN switch port, support Auto-MDI/MDIX，Automatic detection of parallel lines and jumpers，available connection for ADSL / CableModem.

◆Have a reset switch (Reset), can restore to factory value default easily.

2、Software
◆According with 802.11b/g/n wireless transmission standard

◆Band rate 2.4GHz (1-13 channels, ISM band)

◆Automatically Rate detect

◆Meet IEEE802.11n, IEEE802.11g and 802.11b wireless standard specifications

◆Board ceramic antenna

3、Router internal software

◆Support for Web Settings

◆Universal Plug and Play (UpnP) function, support for online games and online audio and video transmission

◆Provide Dynamic DNS (DDNS), support dynamic IP wordpress function

◆Supports NAT function, provides a multiplayer online environment

◆Supports virtual server

◆Support for broadband telecommunications services such as xDSL and Cable

◆Support PPPoE timing system Internet

◆Support DHCPServer/Client
◆Support a DMZ host functions

◆To support IPSec/PPTP/L2TPVPN transparent (Pass-Through) function

◆Support applications require multiple connection settings

◆System logs feature allows users to query historical data

4、Security Mechanism Section

◆Support 64/128 (802.11G) bit WEP wireless encryption and dual-mode password :HEX / ASCII

◆Support WPA/WPA2(TKIP/AES)
◆Provide user-defined access control list (ACL) mechanism, and supports IP address / URL / MAC address / domain name filtering capabilities.

◆Support for remote management

5. Front panel indicator significance

◆WIFI: The WIFI indicator light was operated by HLK-MP03 , the light flashes green in the normal operation when received wireless transceiver data

◆RST button: Press the button for more than 10 minutes, restore the factory settings.

二：Product parameters

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| Product | Wireless router PCBA |
| Net standard | wireless：IEEE 802.11n、IEEE 802.11g、IEEE 802.11b |
| wired：IEEE 802.3、IEEE 802.3u |
| Wireless transmission rate | 11n: up to 150Mbps11g:up to 54Mbps11b:up to11Mbps |
| tracks number | 1-14 |
| frequency range | 2.4-2.4835G |
| transmitting power | 12-15DBM |
| interface | One 10/100Mbps LAN/WAN reset interface |
| Antenna |
| Type | Onboard antenna |
| Function parameters |
| WDS function | Support WDS wireless bridge |
| Wireless security | Wireless MAC address filtration |
| Wireless safety function switch |
| 64/128/152 WEP encipher |
| WPA-PSK/WPA2-PSK、WPA/WPA2 security mechanism |
| Network management | Remote Web management |
| Configuration file import and export |
| WEB software upgrade |
| others |
| Status indicator  | Status indicate |
| Environmental standard | Operating temperature：0-40℃ |
| Operating humidity：10%-90%RH（no condensing） |
| Storage temperature：-40-70℃ |
| Storage humidity：5%-90%RH（no condensing） |
| Additional properties | Band bandwidth selectable：20MHz、40MHz，automatic |

