UG5700D-IPEX

USB wifi module, built-in antenna, external, low power consumption, small size wireless module (Single-sided placement component)

Module introduction:

UG5700D-IPEX is a wireless WiFi module designed and produced by our company. It is small in size, low in power consumption and not hot. According to the global international IEEE802.11B/G standard, it uses TCP/IP standard communication, which is easy to set up WLAN wireless LAN. Reliable, fast transmission rate, a variety of supporting network equipment is very rich, the user has the highest degree of acceptance, free to use worldwide, is the preferred solution for regional wireless communication.

Performance and features:

1) Adopting Taiwan Ralink Ralink RT2070L main chip, the maximum transmission speed can reach 54Mbps.

2) USB communication protocol, few external components, secondary development design is simpler

3) The foot interface package adopts a single-row pin 2.0mm pitch, which is easy to solder and fix. Or SMT reflow soldering.

4) The ultra-small volume is 17.3mm*34.8mm*2mm, which rarely occupies the internal space of the product.

5) 1.25V and 3.3V dual voltage supply, wide voltage range, system is more stable.

6) The power consumption is about 500mW, and the surface temperature of the main chip does not exceed 40 degrees.

7) A separate power amplifier circuit is used to transmit a visible distance of 300 meters.

8) Support two working modes: Infrastructure Mode and Ad Hoc Mode.

9) Compatible with various ARM, MIPS, X86 and other platforms to provide complete design guidance.

10) Drivers such as Linux 2.6.xx/windows 7/wince 5.0/6.0/Android are available.

11) Support all secure encryption methods such as WPS/WEP 64/128, WPA, WPA2.

12) The antenna is connected by the I-PEX connector, and the PCB antenna on the board can also be selected, and the internal or external antenna can be flexibly selected.

13) Support software AP mode and station two modes.

13) Support GPIO control on/off WiFi module function.

14) LED flashing indication control is supported during data communication.

15) Support GPIO to control WPS encryption to make wireless networks more secure.

Typical application of UG5700D-IPEX module:

MID, PMP, UMPC, E-Book, tablet IPAD.

Webcam monitoring;

Smart home

Handheld devices,

IPTV; IP SET BOX; IP radio;

smart transportation;

Medical equipment;

Digital Frame;

RFID smart card terminal;

Wireless POS machine tax filing system;

Grid data acquisition and communication;

Modern online education, learning machine.

For detailed specifications and design guidelines, please contact:

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