WiFi3530 Operating Principle

In general, the router's main job is to store and forward packets, specific process is as follows:

The first step: when the packet to a router, according to the type of physical network interface, the router call the corresponding function of link layer module, to explain the link layer protocol of the process the packet header. This step processing is simpler, mainly is to authenticate the integrity of the data, such as CRC check, frame length checks, etc.

The second step: to confirm the signing of the data link layer frame after the integrity verification of the router starts processing the data frames of the IP layer. This process is the core of the router function. According to the data frame IP header in the destination IP address, the router in the routing table look up the next-hop IP address; At the same Time, IP data masthead TTL (Time To Live) domain reduction, and recalculate the Checksum.

In the third step: according to the routing table to the next-hop IP address, IP packets to the appropriate output link layer, is encapsulated on the corresponding link layer header, finally sent out by the output network physical interface.

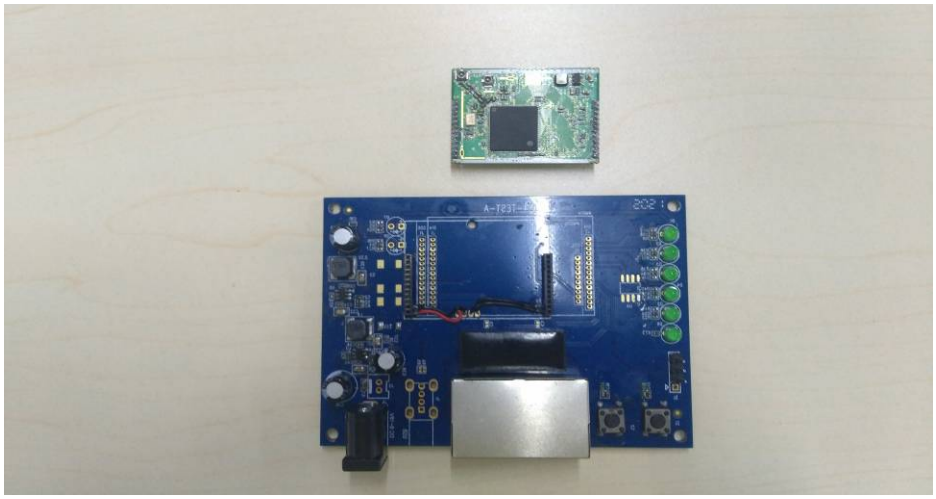
In short, a router's main job is to pass each of the router packet to find a best transmission path, and the packets effectively delivered to the destination. Thus, or choose the best way to choose the best path strategy by the algorithm is the key to the router. In order to complete the work, in the router keeps all the transmission path of data - the Routing Table (Routing Table), used for Routing. The router the process described in this paper and the working process of the key, but did not say other additional performance, such as access control, network address translation, priority queue, etc

WiFi3530 Operating Method

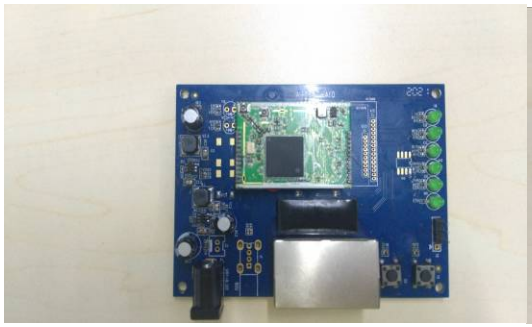
Operational preparation: Anti-static gloves、3530 module base plate、3530 module

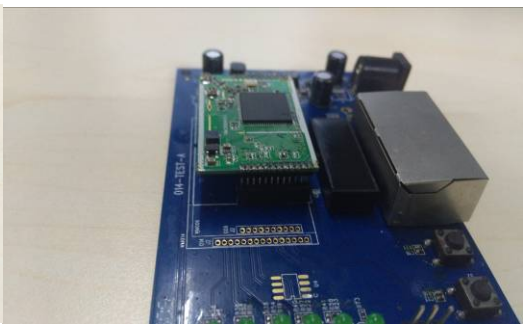
Operation method:

Step 1: wear anti-static gloves with 3530 and 3530 module base plate is placed on the table.The following figure

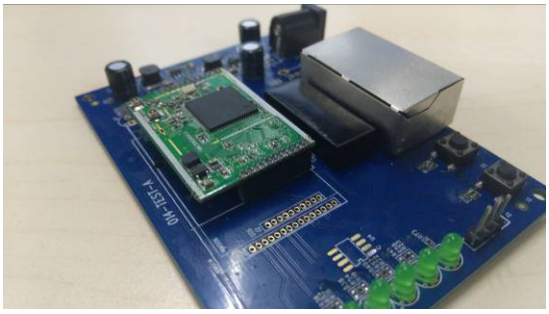


Step 2: put the module module to ensure that: (1) Make sure that the module antenna near the baseplate edge (2) the needle of the module should be one-to-one correspondence with bottom row of socket pair as shown in figure





Step 3: put hands in module edge gently press down, the results as below



warning

- **changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.**

- **Please notice that if the FCC identification number is not visible when the module is installed inside another device, then the outside of the device into which the module is installed must also display a label referring to the enclosed**
- **module. This exterior label can use wording such as the following: "Contains FCC ID:2AFO3W3530N0" any similar wording that expresses the same meaning may be used.**

- **This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.**

- **The module is limited to OEM installation ONLY.**
- **The module power supply from 3.3V transformation carrier.**
- **The OEM integrator is responsible for ensuring that the end-user has no manual instruction to remove or install module.**
- **The module is limited to installation in mobile application;**
- **A separate approval is required for all other operating configurations, including portable configurations with respect to Part 2.1093 and difference antenna configurations.**
- **There is requirement that the grantee provide guidance to the host manufacturer for compliance with Part 15B requirements.**
- **The module use 3.3V1A power supply, the OEM can use external adapter power supply to transfor, power supply range 5 V ~ 12 V**
- **The OEM can use Rod antenna or FPC antenna with IPEX plug connector to match this module. Both the FPC antenna and Rod antenna are sold with the module. Only the antenna provided with the module can be used. If other antenna used is not allowed for FCC compliance.**