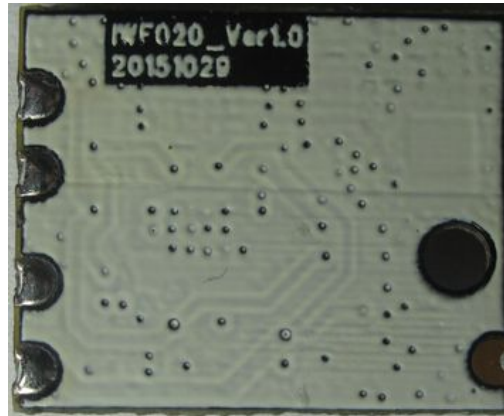
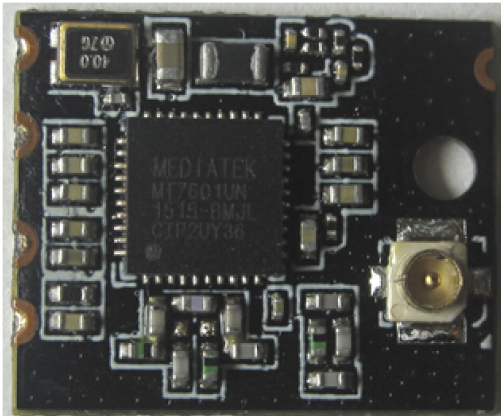


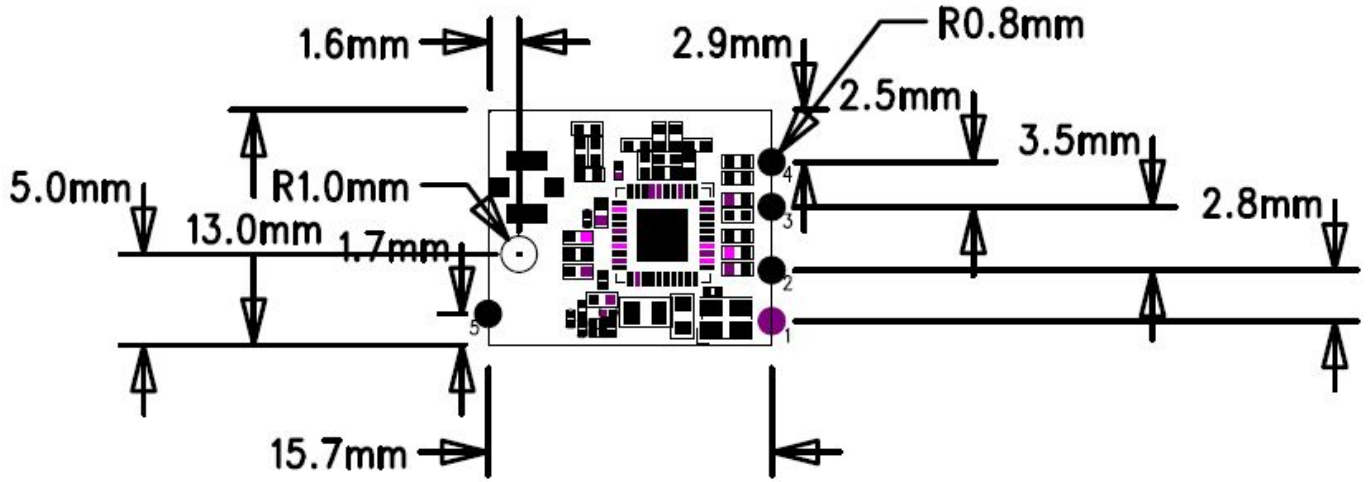
Storage Temperature	-40°C~125°C
Antenna	external
Operation System	windows XP32/64,Vista 32/64, Win7 32/64, Linux, Mac
Operation Voltage	3.3V DC

6. Size Of Module Graph

6.1 Physical Map



6.2 Machine Size Map And Pin Definition



Pin Definition

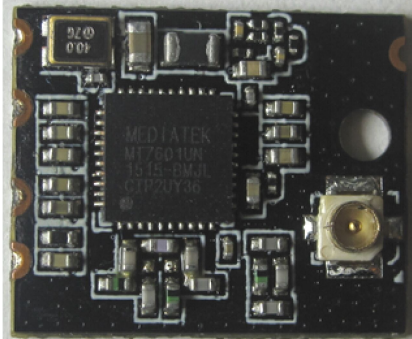
Pin	Name	Description
1	VCC	3.3V
2	DP	USB D+ signal
3	DM	USB D- signal
4	GND	Ground
5	NC	No connect

7.Process Parameters

TBD

8.Packaging Information

Packing information :blister + vacuum bag



The module into the blister case



Blister (5*10)

The blister packed module and desiccant into the vacuum bag



Vacuum bag

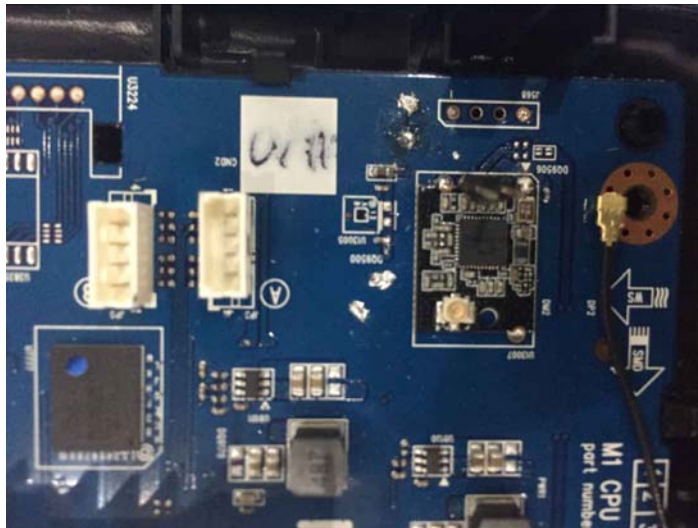
A good vacuum sealed vacuum bag in turn into cartons



Cartons

9.Application

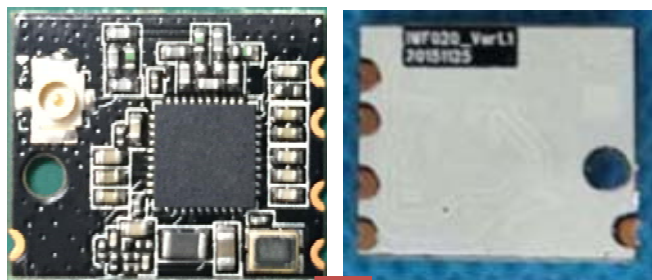
Installation Guide



Finished Assembly

Master PCB (examples)

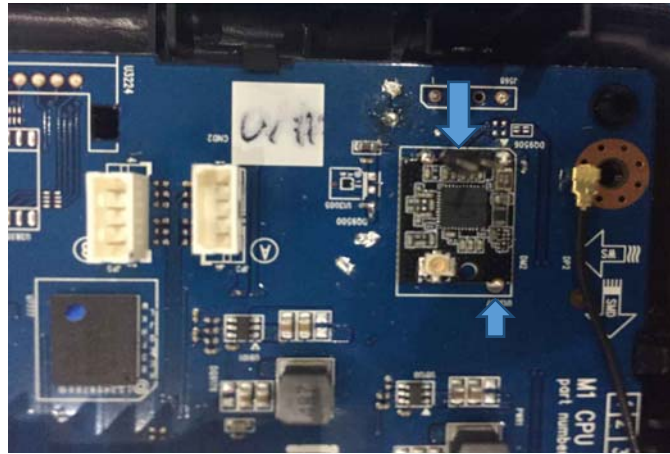
1. Check MW1601-5P Module connection pin is clean for soldering.



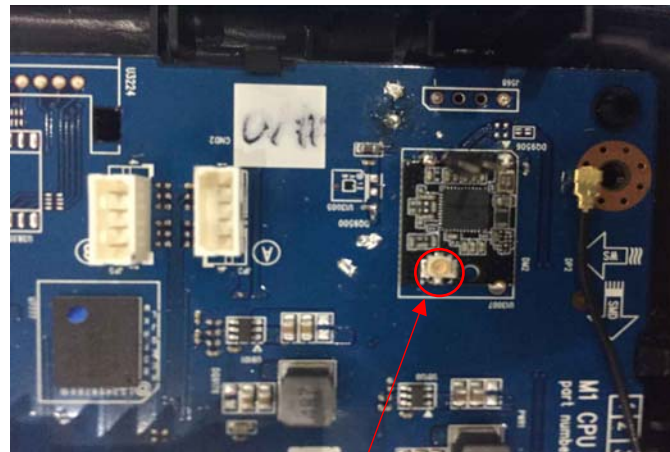
2. Ready the Master PCB which will connect with MW1601-5P Module. Check connection pads is clean for soldering. Place the Module on the Master PCB with SMT.



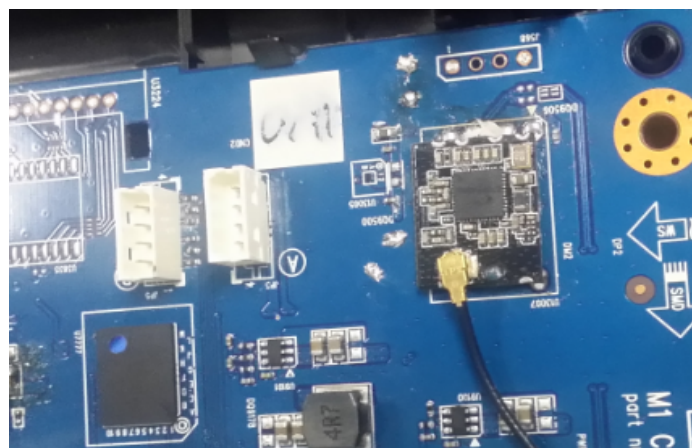
3. After soldering, Check all pads are well connected.



4. Connect DC Power 3.3V on VCC and GND on Master PCB. Connect to Antenna by antenna connector.



Antenna connector



NOTE: The antenna gain should no more than 0 dBi.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Attention: Limited Modular Approval - this RF Module may not be sold to the generic public and requires professional installation.

Due to the fact that this RF Module is not equipped with an own shielding, the end-product incl. this RF Module has to show compliance to the FCC rules (15C / radiated emissions).

(OEM) Integrator has to assure compliance of the entire end-product incl. the integrated RF Module. Additional measurements (15C) and/or equipment authorizations (e.g. either a complete new certification or a Class II Permissive Change.) may need to be addressed depending on co-location or simultaneous transmission issues if applicable.

Integrator is reminded to assure that these installation instructions will not be made available to the end-user of the final host device.

the Integrator will be responsible to satisfy SAR/ RF Exposure requirements, when the module is integrated into any (portable, mobile, fixed) host device.

The final host device, into which this RF Module is integrated" has to be labelled with an auxiliary label stating the FCC ID of the RF Module, such as "Contains FCC ID: VYVMW1601-5P".

Depending on the size of the final end-product, the §15.19 FCC statement "This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation."

should be placed also on the device or alternatively within a prominent location of the user's manual

The §15.21 "Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment." statement has to be included in a prominent location of the user's manual