

1 Devices is introduced:

Buttons/ display /interface	function
1.Power key	Long press for 3 seconds to power on or off
2. reset key	Can remove the user Settings
3. display	Signaling network, power, time, wifi connections, etc
4.The charging interface Micro 5PIN	The input5V 1A
5.Standard USB output interface	The output5V 1A

2. Power on description:

- 1) Power on and registration for sim card, please be patient, will remind users in the boot process ", equipment certification, such as "prompt, after waiting for equipment registration, enter the normal display registry network;
- 2) Wifi function after registration network devices can be used, please try to use mobile terminals connected devices (device ssid and password behind the battery cover);Or look



at equipment interface ssid and password information;

3. Charging treasure function (Handset rechargeable use only):

- 1) Equipment such as used as charging treasure function, with corresponding big USB cable of mobile terminal directly inserted into the device end ;
- 2) When a device as a charging treasure after use, can make the equipment battery consumes a lot of (no electricity will be unable to normal boot), need to recharge (sometimes need to charge it with 15 to 30 minutes, the screen will display the charging icon).

The devices parameters

The mainModel:	T2C
performance	<p>The product type: Wireless Router</p> <p>WIFI Standard: IEEE 802.11b/g/n/ (2.4GHz)</p> <p>Network type: WCDMA: 850/900/1900/2100MHz;</p> <p>GPRS/EDGE: 1900/1800/900/850MHz</p> <p>The input voltage/current5V/1A</p> <p>The output voltage/current5V/1A</p> <p>Battery capacity4000mAh</p> <p>Max working 8 to 10 hours (depending on the network environment)</p>
Other parameters	<p>Display: 1.54 inches 240*240</p> <p>SIM card interface: Standard 6 pin, SIM card interface</p> <p>Size: 112mm*64mm*16.2mm</p> <p>Weight : about 140g(including battery)</p> <p>Working temperature: 0-40°C</p>



Users Manual

1. § 15.21 Information to user.

FCC

Notice:

Any changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

ISED

Aucune modification apportée à l'appareil par l'utilisateur, quelle qu'en soit la nature.

Tout changement ou

modification peuvent annuler le droit d'utilisation de l'appareil par l'utilisateur.

2. § 15.105 Information to the user.

FCC

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.

ISED

This Class B digital apparatus complies with Canadian ICES-003.

To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that permitted for successful communication.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 Canada. Pour réduire le risque d'interférence aux autres utilisateurs, le type d'antenne et son gain doivent être choisies de façon que la puissance isotrope rayonnée équivalente (PIRE) ne dépasse pas ce qui est nécessaire pour une communication réussie.



3.§ 15.19 Labelling requirements.

FCC

This device complies with part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference.

ISED

This device complies with ISED license-exempt RSS standard(s). Operation is subject to the condition that this device does not cause harmful interference.

Cet appareil est conforme à la norme RSS ISED exempts de licence norme(s). Son fonctionnement est soumis aux deux conditions suivantes:

Cet appareil ne peut pas provoquer d'interférences et

3.§RF Radiation Exposure Statement:

This product meets applicable national SAR limits of 1.6W/kg.

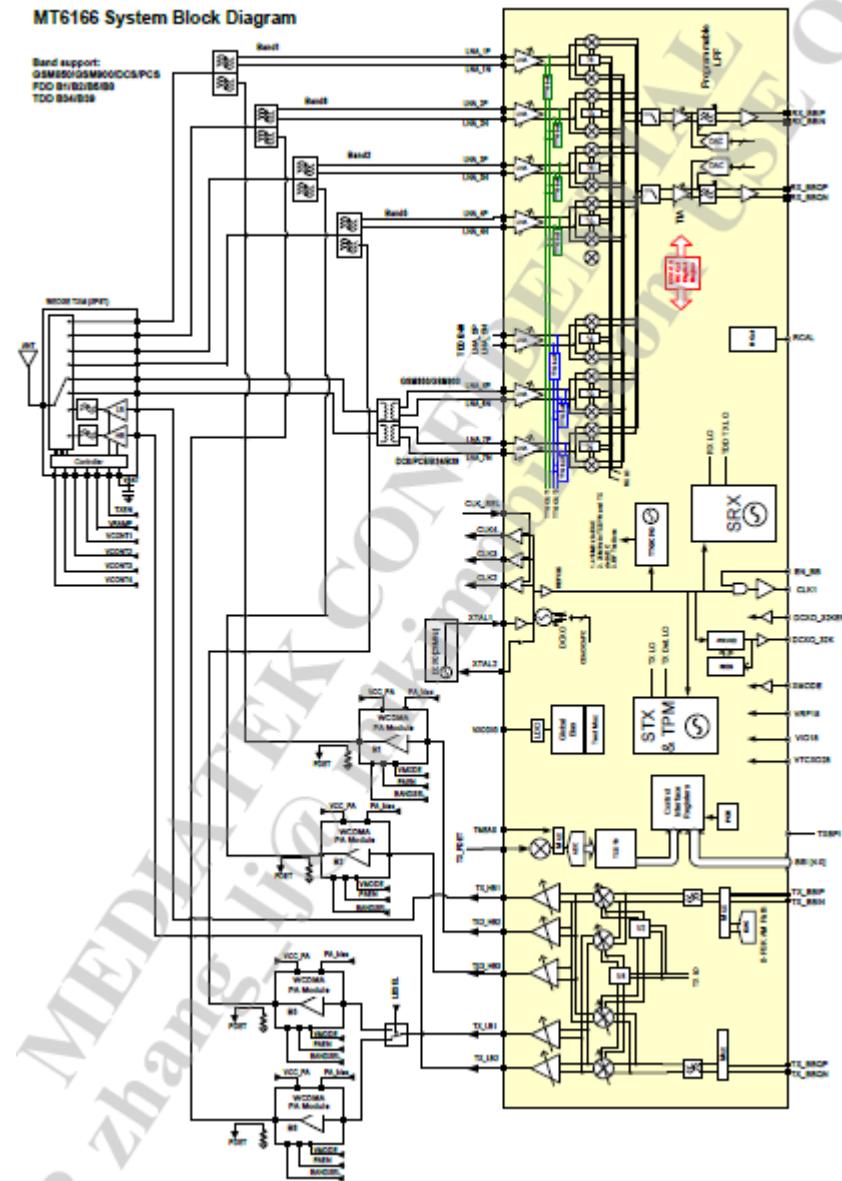
This specific maximum SAR values can be found in the section of this user guide. When carrying the product or using it while worn on your body, maintain a distance of 10mm from the body to ensure compliance with RF exposure requirements. Note that the product may be transmitting even if you are not Surfing Internet.



T2C RF working principle

1.1 Overview

The MT6166 is a RF transceiver targeted at high speed 2G/3G-FDD/TDD multi-mode smart phone and tablet computers implanted in 40nm CMOS. The RF transceiver function is fully integrated. This document briefly introduces the RF macros in MT6166.



1. 2G receiving part

Signal through the antenna to TXM (AP6690) through the logic control from TXR1 TXR2, into the Balun, 2 - in - 1, to MT6166V, signal processing chip, the signal transmission to the baseband IQ.



2. 2G launch part

2GHB_tx from MT6166V chip and 2GHB_tx to amplify the output signal after TXM (AP6690) from the output to the antenna, the ANT outward radiation.

3. 3G receiving part

Antenna to receive 3 g signal into TXM (AP6690) through the logic control, B1, B2 B5 B8 respectively from TXR3, TXR5, TXR4, TXR6 output through their respective duplexer, get difference signal input to MT6166V, signal processing chip, the signal transmission to the baseband IQ

4. 3G launch part

From MT6166V chip 3GH1_tx , 3GH2_tx, 3GL5_tx output signal through their respective RF power amplifier, and then through their respective duplexer into TXM (AP6690) from ANT output to the antenna, outward radiation.

5. 2.4G wlan part

Wi-fi/IEEE 802.11 b/g/n :2.4 GHz wireless technology, and its spectrum between 2.412 GHz to 2.462 GHz, and 2.4 GHz wireless technology is different from the previous 27 MHZ wireless technology, the way it works is full-duplex mode of transmission, this advantage decided its strong anti-jamming and transmission distance up to 10 meters;