

#### Quick start

##### 1 Scanning Button

Short press for scanning.

##### 2 Volume Button

Press for adjusting volume.

##### 3 PTT

Short press for network speaking.

##### 4 Fn Button

Used for setting shortcuts.

##### 5 Power Button

Short press: turn the screen on or off.

Long press: When the device is turned off, press and hold the power button for 2 to 3 seconds to turn it on;  
When the device is in use, press and hold the power button for 2 to 3 seconds to turn it off or restart it.  
When the device crashes, press and hold the power button for 11 seconds to make it reboot automatically.

##### 6 Scanner

Bar Code Data Acquisition.

Caution: In case of the laser radiation, do not look straight at it.

##### 7 Rear Camera (optional)

Support shooting and scanning 1D or 2D code rapidly.

##### 8 Nano SIM Card Slot (optional)

Note: Turn off the phone before plugging or unplugging the Nano SIM Card, or the malfunction might be caused.  
(SIM card 2G/3G/4G full network access)

##### 9 PSAM Card Slot (optional)

This place is used for plugging encryption PSAM CPU card.

##### 10 Micro SD Card Slot (optional)

This place is used for plugging Micro SD Card.

#### Notices

##### Security Warning

Please insert the AC power plug into the AC power socket that corresponds with the identifying input on the power adapter;  
This device is a product grade A. It may cause radio interference in the living environment.

About the replacement of battery:

① Replacing with wrong battery may cause explosion!

② Please hand the old battery to maintenance personnel, and do not through it into fire.

##### Important Safety Instructions

Avoid the installation or usage during lightning, or there is a risk of being harmed by lightning.  
Please turn off the power immediately when you find suspicious burning smell, overheating or smoke.

##### Statement

The company is not responsible for the following actions.  
Damage of the product resulting from the use of the product without in accordance with the user manual;  
For damage or problems of the product resulting from the options or consumables( not the initial or approved product), the company assumes no responsibility. Without permission of the company, no one is authorized to modify or alter the product.

The operating system of the product supports official updating of the system. The system instability and security risk may caused by actions that users install the third-party ROM system or modify the system files in cracked way.

##### Disclaimer

Due to the updating of the product, some details in the document may not correspond with the product, and please in kind prevail. The company shall be responsible for the interpretation of the document, and reserve the right to modify the manual without prior notice.

#### Table for Names and Content Identification of Toxic and Hazardous Substances in this Product

Part Name	Toxic or Hazardous Substances and Elements					
	Pb	Hg	Cd	Cr(VI)	PBB	PBDE
Circuit Board Component	×	○	○	○	○	○
Structural Component	○	○	○	○	○	○
Packaging Component	○	○	○	○	○	○

○: indicates that the content of the toxic and hazardous substance in all homogeneous materials of the component is below the limit specified in SJ/T 11363-2006.

×: indicates that the content of the toxic and hazardous substance in at least one homogeneous material of the component exceeds the limit stipulated in SJ/T 11363-2006. However, as for the reason, because there is no mature and replaceable technology in the industry at present.

The products that have reached or exceeded environmental protection service life should be recycled and reused according to the Regulations on Control and Management of Electronic Information Products, and should not be discarded randomly.

#### CE certification information

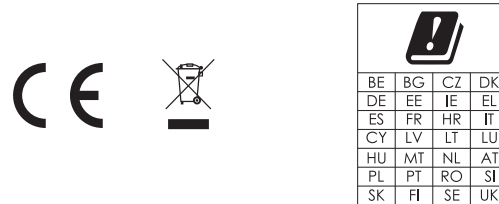
The smartphone is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy recommended by The Council of the European Union when used as directed in the previous section.

These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The exposure standard for wireless devices employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit recommended by The Council of the European Union is 2.0W/kg\*. Tests for SAR are conducted using standard operating positions with the device transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the device while operating can be well below the maximum value. This is because the device is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

The highest SAR value for this smartphone when tested for use at the ear is:0.199

The highest SAR value for this smartphone when tested at a distance of 0.20 inch (5 mm) from the body is:1.445

Body-worn measurements (recommended separation distances) differ among wireless devices, including smartphones, depending upon supplied or available accessories and applicable The Council of the European Union requirements.



#### Technical features and characteristic

the product includes the following features and characteristics:

	Operation Frequency	Transmitted
GSM 900	880-915 MHz	32.5 dBm
GSM 1800	1710-1785 MHz	30 dBm
WCDMA BAND I	880-915 MHz	22.5 dBm
WCDMA BAND VII	1920-1980 MHz	23 dBm
LTE BAND 1	1920-1980 MHz	23.5 dBm
LTE BAND 3	1710-1785 MHz	22.5 dBm
LTE BAND 7	2500-2670 MHz	23.5 dBm
LTE BAND 8	880-915 MHz	24 dBm
LTE BAND 20	832-862 MHz	23.5 dBm
LTE BAND 28	703-748 MHz	25 dBm
LTE BAND 34	2010-2025 MHz	24 dBm
LTE BAND 38	2570-2620 MHz	24.5 dBm
LTE BAND 40	2300-2400 MHz	24 dBm
WiFi	2412-2472 MHz	13.5 dBm
BT	2402-2480 MHz	10.5 dBm
BLE	2402-2480 MHz	1 dBm
NFC	13.56 MHz	1.135 dBuA/m at 10M

FCC certification information

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.

Caution: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

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.

The smartphone is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government when used as directed in the previous section. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The exposure standard for wireless devices employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg\*. Tests for SAR are conducted using standard operating positions specified by the FCC with the device transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the device while operating can be well below the maximum value. This is because the device is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output. The highest SAR value for this smartphone when tested for use at the ear is: 0.376W/Kg The highest SAR value for this smartphone when tested in a holster with an integrated belt clip or at a distance of 0.39 in. (10 mm) from the body, is: 0.974W/Kg Body-worn measurements (recommended separation distances) differ among wireless devices, including smartphones, depending upon supplied or available accessories and applicable FCC requirements. The FCC has granted an Equipment Authorization for this smartphone based on reported SAR levels complying with the FCC radio frequency emission guidelines when the smartphone is used as directed in this section. SAR information for this smartphone is on file with the FCC and can be found under the Display Grant section of [www.fcc.gov/oet/ea](http://www.fcc.gov/oet/ea) after searching for the FCC ID for your smartphone listed below. FCC ID:2AH25T8A01

Technical features and characteristic

the product includes the following features and characteristics:

	Operation Frequency	Transmitted
GSM 850	824–849 MHz	32 dBm
GSM 1900	1850–1910 MHz	30 dBm
WCDMA BAND II	1850–1910 MHz	24 dBm
WCDMA BAND IV	1710–1755 MHz	24 dBm
WCDMA BAND V	824–849 MHz	24 dBm
LTE BAND 2	1850–1910 MHz	23 dBm
LTE BAND 4	1710–1755 MHz	23.5 dBm
LTE BAND 5	824–849 MHz	24 dBm
LTE BAND 7	2500–2570 MHz	24 dBm
LTE BAND 12	699–716 MHz	24 dBm
LTE BAND 17	704–716 MHz	20 dBm
LTE BAND 25	1850–1915 MHz	23.5 dBm
LTE BAND 26	814–849 MHz	23.5 dBm
LTE BAND 41	2496–2690 MHz	24 dBm
WIFI	2412–2462 MHz	20 dBm
BT	2402–2480 MHz	9.5 dBm
BLE	2402–2480 MHz	1dBm
NFC	13.56 MHz	