



Quick start

- 1 **Function key**
Capable of being configured as a code scanning key or other functions by software.
- 2 **Front camera(optional)**
- 3 **Volume up/down button**
Volume adjustment.
- 4 **Power key**
Short press: Light the screen and lock the screen.
Long press: Under the power-off status, long press 2 to 3 seconds to power on;
Under the operating status, long press 2 to 3seconds to choose power-off or restart.
Under the crashed status, long press 11 seconds to automatically restart.

- 5 **Rear Camera**
Supportive of photographing and 1D/2D fast scanning.

- 6 **Flash light**
Facilitating illumination of the surrounding environment when taking photos.

- 7 **NFC reader**
Be used for NFC cards like loyalty card.

- 8 **Two dimensional code scanner (optional)**
Bar Code Data Acquisition.
Note: don't look straight at the Infrared scanning head to avoid eye injuries.

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	DEHP	DBP	BBP	DBP
Circuit Board Component	X	o	o	o	o	o	o	o	o	o
Structural Component	o	o	o	o	o	o	o	o	o	o
Packaging Component	o	o	o	o	o	o	o	o	o	o

O: 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.

X: 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.

Notices

Safety Warning
Connect the AC plug to the AC socket corresponding to the marked input of the power adapter;
To avoid injury, unauthorized persons shall not open the power adapter;
This is a Class A product. This product may cause radio interference in living environments.
In that case, the user may be required to take adequate measures against interference.

Significant Safety Instructions
Do not install or use the device during lightning storms to avoid the potential risks of lightning shock;
Please turn off the power immediately if you notice abnormal odor, heat or smoke;

Suggestions
Do not use the terminal near water or moisture to prevent liquid from falling into the terminal;
Do not use the terminal in extremely cold or hot environments, such as near flames or lit cigarettes;
Do not drop, throw or bend the device;
Use the terminal in a clean and dust-free environment if possible to prevent small items from falling into the terminal;
Please do not use the terminal near medical equipment without permission.

Statements
The Company does not assume responsibilities for the following actions:
Damages caused by use and maintenance without complying with the conditions specified in this guide;
The Company will not assume any responsibilities for the damages or problems caused by optional items or consumables (rather than the initial products or approved products of the Company). The customer is not entitled to change or modify the product without our consent. The product's operating system supports official system updates, but if you change the operating system into a third party ROM system or alter the system files by system cracking, it may cause system instability and security risks and threats.

Disclaimer
As a result of product upgrading, some details in this document may not match the product, and the actual product shall govern. The Company reserves the right of interpretation of this document. The Company also reserves the right to alter this specification without prior notice.

CE certification information (SAR)
This device was tested for typical body-worn operations with the back of the handset kept 5mm away. To maintain compliance with RF exposure requirements, use accessories that maintain a 5mm separation distance between the user's body and the back of the handset. The use of belt clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with RF exposure requirements, and should be avoided.
NOTE: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
FCC ID: 2AH2512
NOTE: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the 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.
---Repeat 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.
Body-worn Operation
This device was tested for typical body-worn operations. To comply With RF exposure requirements, a minimum separation distance of 1.0cm must be maintained between the user's body and the handset, including the antenna.
---Repeat 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.
Body-worn Operation
This device was tested for typical body-worn operations. To comply With RF exposure requirements, a minimum separation distance of 1.0cm must be maintained between the user's body and the handset, including the antenna.
Third-party belt-clips, holsters, and similar including the antenna. Third-party belt-clips, holsters, and similar accessories used by this device should not contain any metallic components. Body-worn accessories that do not meet these requirements may not comply with RF exposure requirements and should be avoided.

Declaration of Conformity



Hereby, Shanghai Sunmi Technology Co., Ltd. declares that the smart POS system (Model No.:T8900, T8901) is in compliance with the essential requirements and other relevant provisions of RED 2014/53/EU.
CAUTION: The user has to turn off the 5GHz WiFi in outdoor environment. 5.8G SRD receiver category: 1

This product can be used across EU member states.
The full text of the EU declaration DOC is available at the following Internet address: www.sunmi.com

Technical features and characteristic

	Operation Frequency	Transmitted
GSM900	880MHz-915MHz	32dBm
GSM1800	1710MHz-1785MHz	28.5dBm
GSM850	880MHz-915MHz	32dBm
GSM1900	1710MHz-1785MHz	28.5dBm
WCDMA bandI	880MHz-915MHz	22dBm
WCDMA bandVIII	1920MHz-1980MHz	22dBm
LTE band1	1920MHz-1980MHz	23.5dBm
LTE band3	1710MHz-1785MHz	23dBm
LTE band7	2500MHz-2570MHz	23.5dBm
LTE band20	832MHz-862MHz	22.5dBm
LTE band38	2570MHz-2620MHz	24dBm
LTE band40	2300MHz-2400MHz	23dBm
BT	2402MHz-2480MHz	9.43dBm EIRP
BLE	2402MHz-2480MHz	-2.03dBm EIRP
wifi	2412MHz-2462MHz	12.52dBm EIRP
	5150MHz-5250MHz	10.104dBm EIRP
	5250MHz-5350MHz	9.09dBm EIRP
NFC	5725MHz-5850MHz	9.09dBm EIRP
	13.56MHz	6.994dBuA/m at 10m

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BE	BG	CZ	DK
DE	EE	IE	EL
ES	FR	HR	IT
CY	LV	LT	LU
HU	MT	NL	AT
PL	PT	RO	SI
SK	FI	SE	UK

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.
(2) This device must accept any interference received, including interference that may cause undesired operation.
FCC ID: 2AH2512
NOTE: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the 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.
---Repeat 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.
Body-worn Operation
This device was tested for typical body-worn operations. To comply With RF exposure requirements, a minimum separation distance of 1.0cm must be maintained between the user's body and the handset, including the antenna.
Third-party belt-clips, holsters, and similar including the antenna. Third-party belt-clips, holsters, and similar accessories used by this device should not contain any metallic components. Body-worn accessories that do not meet these requirements may not comply with RF exposure requirements and should be avoided.

Specific Absorption Rate (SAR) information:
This wireless phone meets the government's requirements for exposure to radio waves. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons regardless of age or health.
FCC RF Exposure Information and Statement. The SAR limit of USA (FCC) is 1.6W/kg averaged over one gram of tissue.
Device types: T8900&T8901 has also been tested against this SAR limit. The highest SAR value reported under this standard during product certification when properly worn on the body is 1.856W/kg (1.0gSAR, test distance: 10mm, limit 4W/kg) and 1.276W/kg (1gSAR, test distance: 10mm, limit 1.6W/kg). This device was tested for body-worn operations with the back of the handset kept 10mm and 5mm from the body. To maintain compliance with FCC RF exposure requirements, use accessories that maintain a 10mm and 5mm separation distance between the user's body and the back of the handset. The use of belt clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.

Technical features and characteristic

	Operation Frequency	Transmitted
GSM850	824MHz-849MHz	33dBm
GSM1900	1850MHz-1910MHz	31dBm
WCDMA bandII	1850MHz-1910MHz	24dBm
WCDMA bandIV	1710MHz-1755MHz	24dBm
WCDMA bandV	824MHz-849MHz	24dBm
LTE band2	1850MHz-1910MHz	24dBm
LTE band4	1710MHz-1755MHz	24.5dBm
LTE band7	2500MHz-2570MHz	24.5dBm
LTE band17	704MHz-716MHz	24dBm
CDMA BC0	824MHz-849MHz	25dBm
CDMA BC1	1850MHz-1910MHz	24.5dBm
BT	2402MHz-2480MHz	6dBm
BLE	2402MHz-2480MHz	-1dBm
	2412MHz-2462MHz	17dBm
	5150MHz-5250MHz	
wifi	5250MHz-5350MHz	12dBm
	5725MHz-5850MHz	

Manufacture
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