unitech

PA700 Rugged Handheld Computer

User's Manual

Version 1.0

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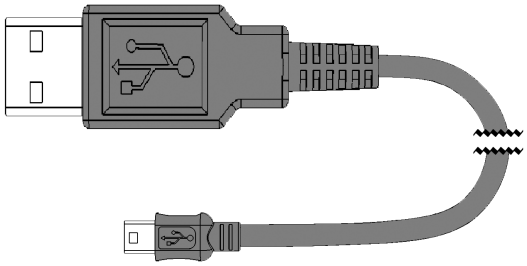
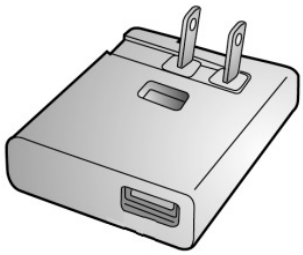
Table of content

1. Package Contents

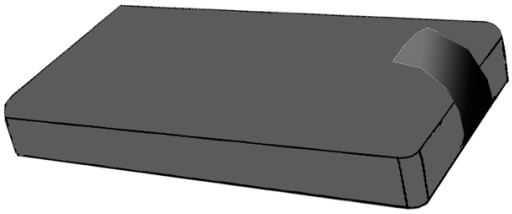
PA700



USB cable
(Standard USB to Micro USB)



Charger



Battery

Power Plug Adapter

Hand Strap

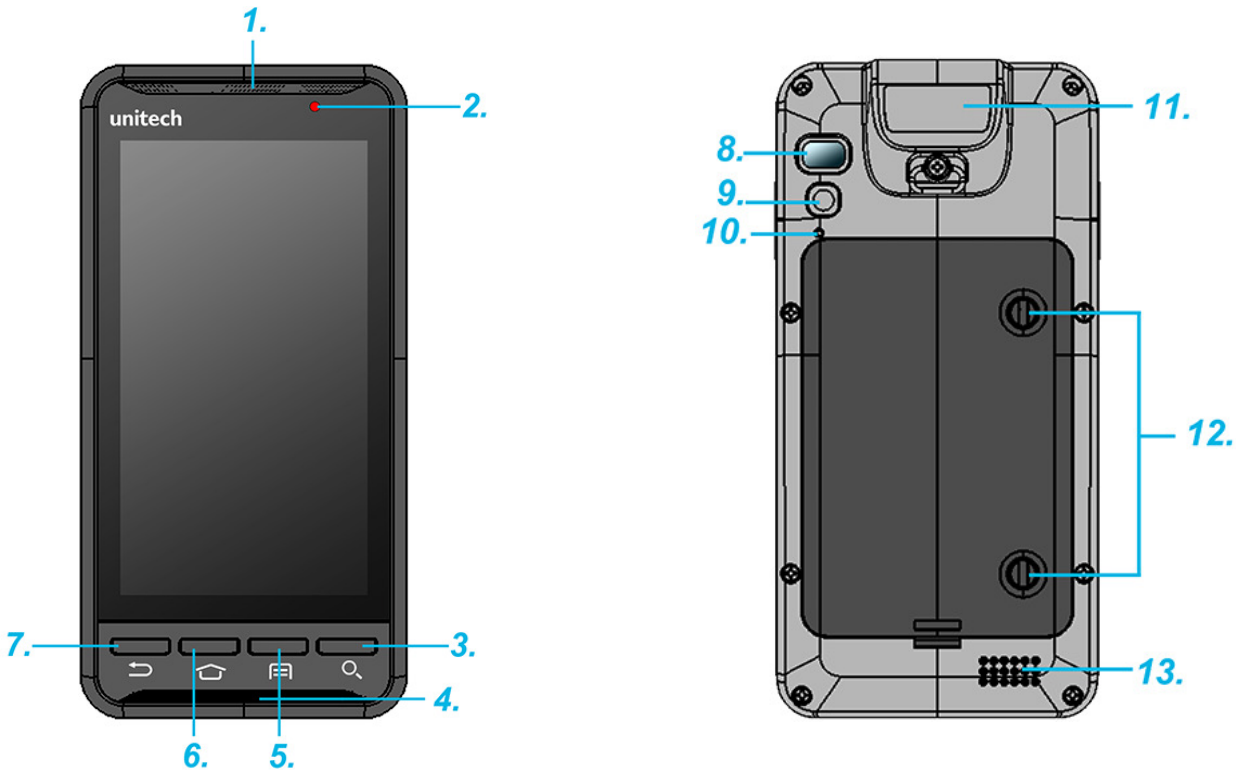
Utility DVD

2. Getting started

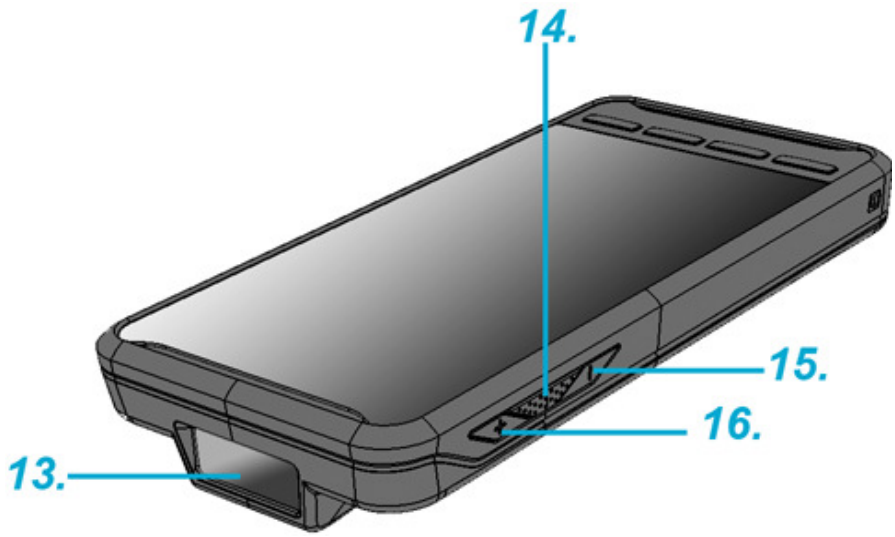
Unitech PA700 is an Android platform device. Android platform device has great flexibility that allows you to make customized configurations and enhancements by install and remove Apps.

With Android operation system, your device has limitless possibilities to update to latest features and improvements.

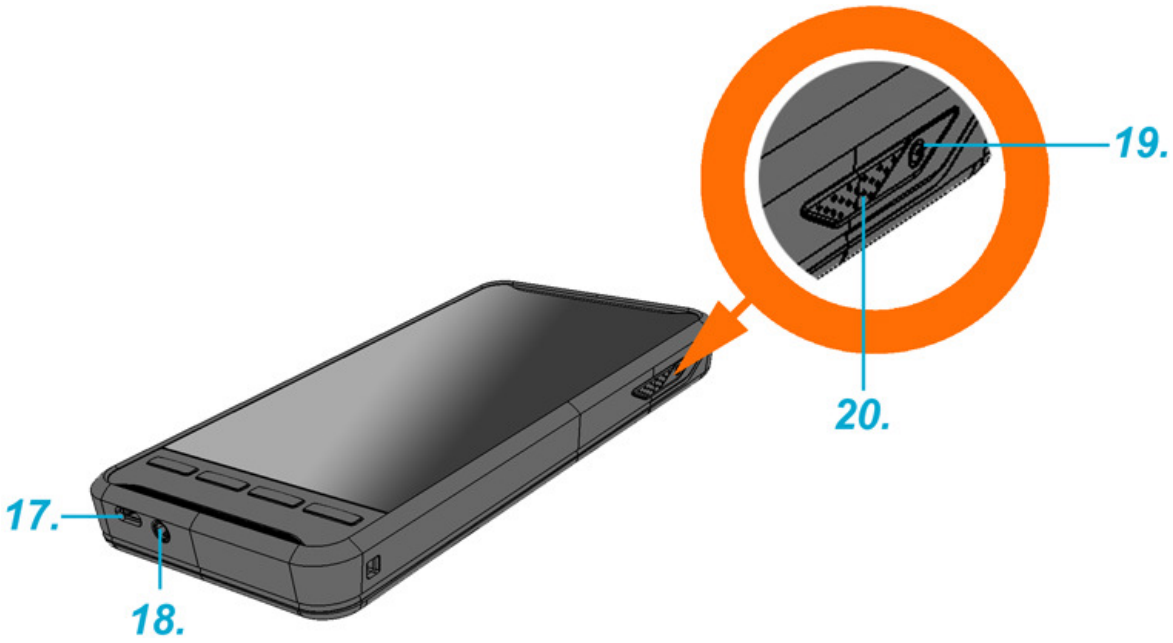
2.1 Device overview



1. Receiver	7. Back button
2. LED indicator	8. Flash LED
3. Search button	9. 5M Camera with AF
4. Microphone.	10. Reset button
5. Menu button	11. RFID antenna
6. Home screen button	12. Mounting screw for battery cover



13. Bar code Scan Engine	15. Volume Down button
14. Scan button	16. Volume Up button

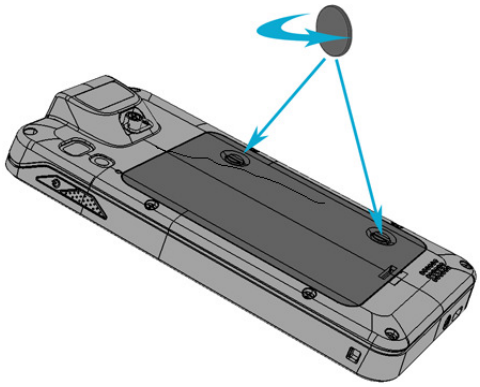


17. Micro USB port	19. Power button
18. Phone jack	20. Scan button

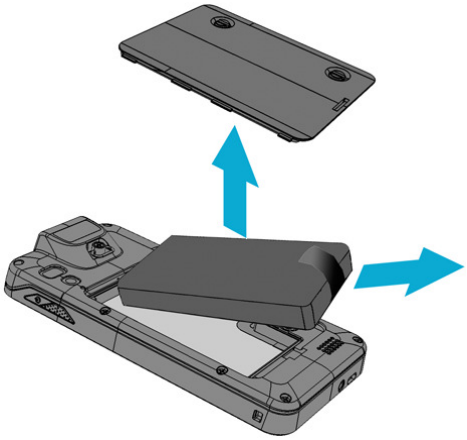
2.2 Assembly

Accessing battery, Micro SD card and SIM card

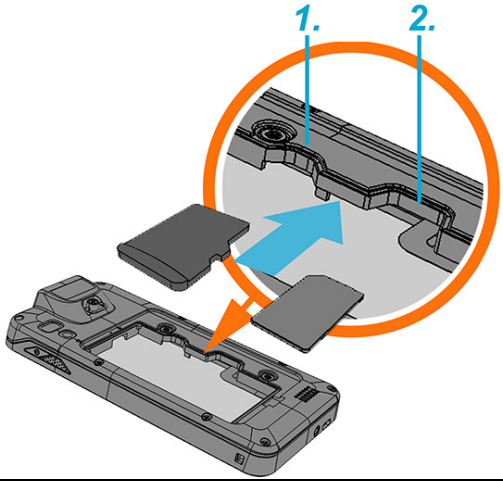
1. Using a proper tool (ex. a coin) to loosen the two screws on the battery cover by turning anticlockwise.



2. Remove the back cover and pull the battery out.



3. Now you can access the micro SD card slot and SIM card slot.

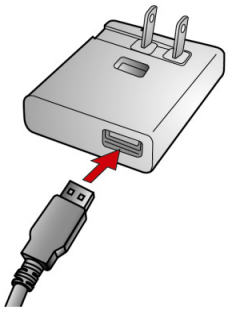


1. Micro SD card slot
2. SIM card slot

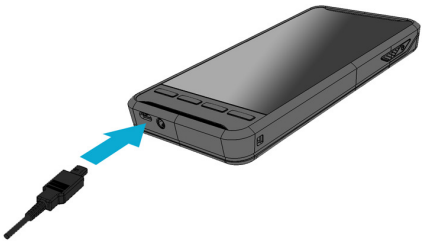
2.3 Charging the battery

Connect PA700 to the charger, it will be charged automatically.

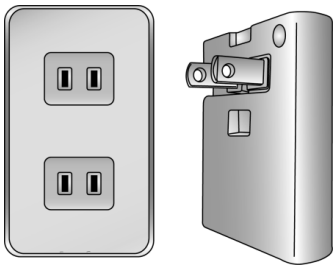
1. Connect the standard USB connector to the charger.



2. Connect the micro USB connector to the micro USB port at the bottom.

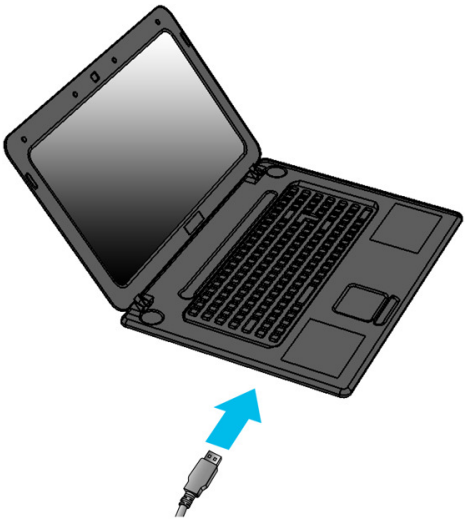


3. Plug the AC charger into a wall outlet. If needed, attach a plug converter onto the AC charger.

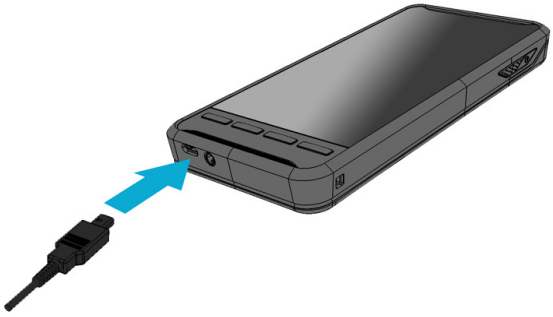


2.4 Data Communicating with PC Device

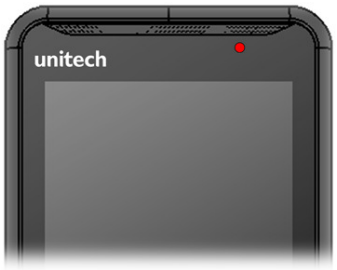
1. Connect the standard USB connector to the USB port of the PC device.



2. Connect the micro USB connector to the micro USB port at the bottom.



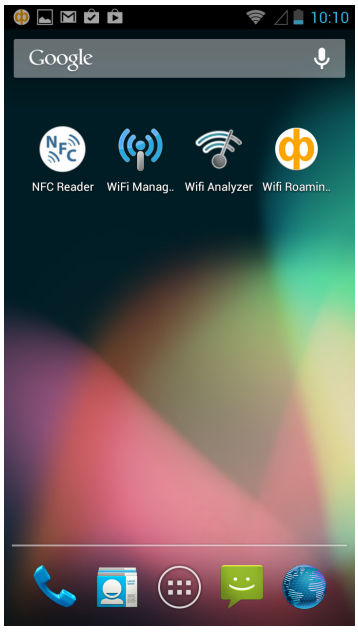
2.5 LED status



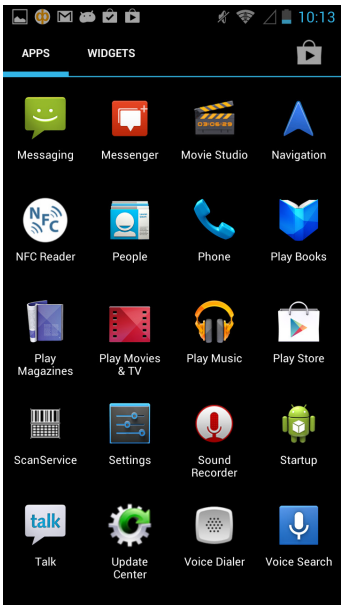
Green	The battery is fully charged
Lights Red	The battery is charging. The battery level is between low and full
Blue	Message is received.

2.6 To check the battery level and to access the battery usage menu

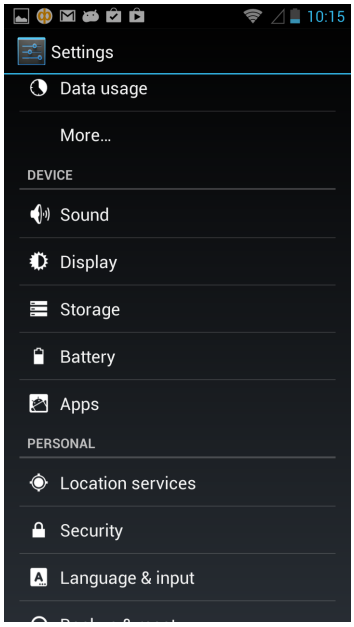
1 From your Home screen, tap  .

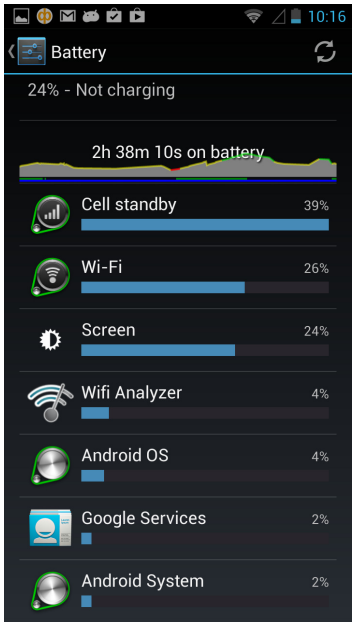


2 Find and tap Settings.



3 Find and tap  Battery.





3. Basic Operation

3.1 Accessing and using applications

To open the Application screen

From your Home screen, tap  .

To browse the Application screen

From the Application screen, flick right or left.

To create a shortcut to an application on the Home screen

1 From your Home screen, tap  .
2 Touch and hold an application icon and then the Home screen opens.
3 Drag the icon to the desired page on the Home screen by flicking left or rught, then release your finger.

To Remove a shortcut of an application on the Home screen

1 From your Home screen, touch and hold the icon of the desired application you want to remove
2 “**X Remove**” shows on the top of the home screen.
3 Drag the icon to be removed to the “**X Remove**”.

Calling

Call handling

To make a call by dialing

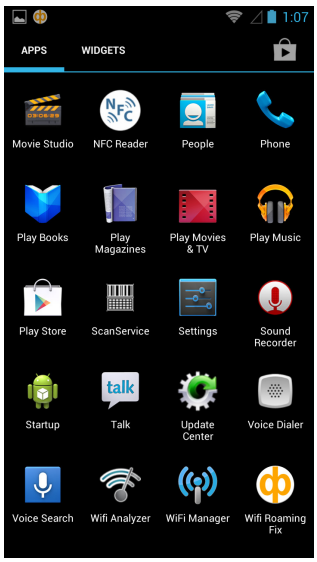
1 From your Home screen, tap  .
2 Find and tap Phone.
3 Enter the number of the recipient and tap Call. To delete a number, tap  .

To end a call

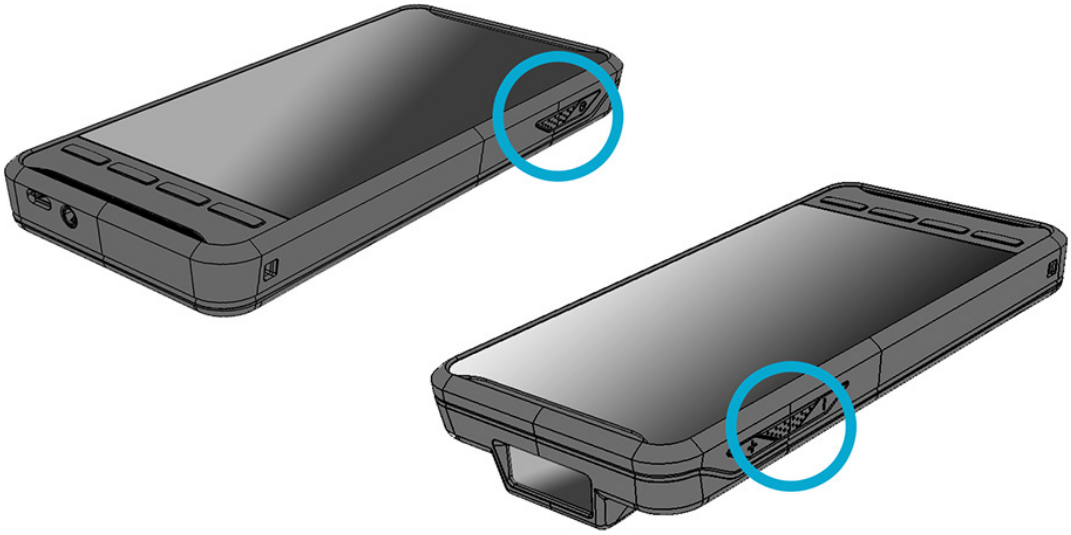
- Tap  .

3.2 Barcode Scanning (For Imager Version only)

1. Tap the **ScanService**  .

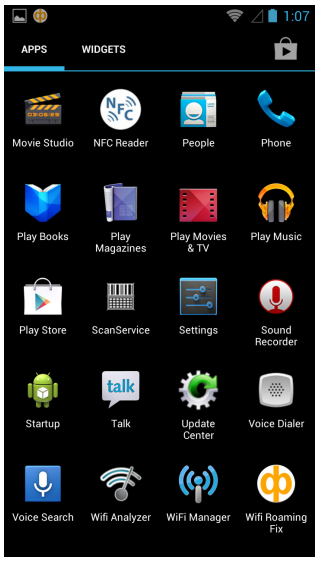


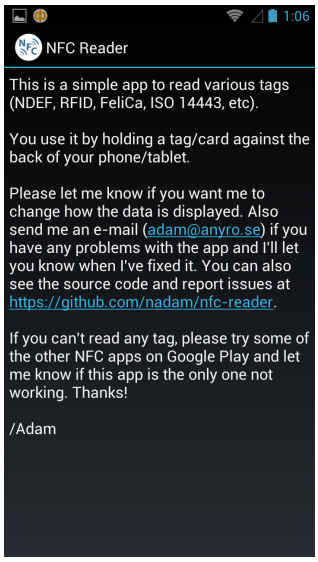
2. Aim the Bar code Scan Engine to the barcode and press one of two scan buttons.



3.3 RFID Sensing

1. Tap the **NFC Reader** .





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4. Specification

System Features	
CPU	TI OMAP 4470 1.5Ghz Dual Core Processor
Memory	1GB Mobile DDR RAM 8GB eMMC Flash
OS	Android 4.1.1 Jelly Bean
Languages support	English, Simp. Chinese, Traditional Chinese, Japanese, Spanish, German, French
Display	
Gorilla Glass II with 5-point capacitive touch panel	
4.7" Color 450nits High Brightness TFT 720x1280 dots IPS LCD	
Keypad	
4 x Function key	1 x Power key
2 x Scan Key	2 x Volume key
Indicator	
1 LED indicate charge/Message Vibrator	
Symbologies	
1D CCD Barcode scanner	UPC-A/E, EAN-8/13, Codabar, Code 39, Code 39 full ASCI, Code 93,Code 32, Interleaved & Std. 2 of 5, EAN 128, Code 11, Delta, MSI/Plessey,Code 128, Toshiba, RSS expended, RSS Limited, RSS14.
Audio	
1W speaker 85 dB at 10cm , 3.5mm Audio Jack, Receiver, Microphone	
Regulatory Approvals	
CE, NCC, FCC, BSMI, VCCI, CCC, RoHS compliance	
Communication	
Camera and Flash Light	5MP CMOS Sensor Camera with dual Auto focus LED flash light
External storage	Support MicroSD memory card up to 32GB
USB	USB 2.0 OTG
WLAN	IIEEE 802.11 b/g/n
Bluetooth	Bluetooth 4.0
WWAN	GSM/GPRS/EDGE 850/900/1800/1900 MHzUMTS 850/900/1700/1900/2100 MHz WCDMA modem, HSPA+, DL: 21Mbps/ UL: 5.76Mbps

Other Sensors	GPS eCompass Light & Proximity sensor G-sensor
RFID/HF (Optional)	Frequency: 13.56MHz Tag Support: ISO15693, ISO14443A , ISO14443B Support NFC
GPS	12 x 12 mm patch antenna
Power Source	
Main Battery	11.9Wh 3.7V @3120mAh Li-Polymer battery pack
Backup Battery capacity	1 hour
Enclosure	
Weight	285g (with battery)
Dimension	160mm x17.4mm x 80mm (without engine)
Environmental	
Operating temperature	14℉ to 122℉ (-10℃ to 50℃)
Storage temperature	-4℉ to 140℉ (-20℃ to 60℃)
Charging Temperature	32℉ to 104℉ (0℃ to 40℃)
Relative Humidity	5% ~ 95% (non-condensing)
Drop test to Concrete	1.2 meter
Environmental Sealing	IP65
Vibration and Shock test	MIL-STD-810F, 514.4 process II
Software	
Android 4.1.1 API level 16	
Accessories	
Single Slot USB Client/on the go Cradle with Single Slot Battery Charger	
Handstrap	
3220mAH standard Battery	
USB Communication Cable	
Power adaptor with universal plugs	

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Appendix Worldwide Support

Unitech's professional support team is available to quickly answer questions or assist with technical-related issues. Should an equipment problem occur, please contact the nearest Unitech regional service representative. For complete contact information please visit the Web sites listed below:

Unitech America

Los Angeles, Houston

http://us.ute.com e-mail: info@us.ute.com

http://can.ute.com info@can.ute.com

Mexico

http://latin.ute.com e-mail: info@latin.ute.com

Unitech Asia Pacific & Middle East

Taipei

http://apac.ute.com info@apac.ute.com / info@india.ute.com

http://mideast.ute.com info@mideast.ute.com

Unitech Japan

Tokyo

http://jp.ute.com e-mail: info@jp.ute.com

Unitech Europe

Tilburg / Netherlands

http://eu.ute.com e-mail: info@eu.ute.com

Unitech Greater China

Beijing, Shanghai, Guang Zhou, Xiamen

http://cn.ute.com info@cn.ute.com

Taipei http://tw.ute.com info@tw.ute.com

Head Office

Taipei

http://www.ute.com e-mail: info@hq.ute.com

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Regulatory Compliance Statements

FCC Warning Statement

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 with radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference with 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.

1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
2. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. To maintain compliance with FCC RF exposure requirements, avoid direct contact to the transmitting antenna during transmitting.
3. Any changes or modifications (including the antennas) made to this device that are not expressly approved by the manufacturer may void the user’s authority to operate the equipment.

FCC Label 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.

RF Radiation Exposure Statement

For body contact during operation, this phone has been tested and meets FCC RF exposure guidelines when used with an accessory that contains no metal and that positions the handset a minimum of 1.5 cm from the body. Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

Canadian Compliance Statement

This Class B Digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numerique de la classe B respecte les exigences du Reglement sur le material broilleur du Canada.

European Conformity Statement

Declaration of Conformity with regards to the R&TTE 1999/5/EC and EMC 89/336/ EEC directives.

RoHS Statement

This device conforms to RoHS (Reduction Of Hazardous Substances) European Union regulations that set maximum concentration limits on hazardous materials used in electrical and electronic equipment.

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TaiwanNCC Warning Statement

低功率電波輻射性電機管理辦法

第十二條： 經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。
第十四條： 低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。低功率射頻電機需忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

SAR 標準值 2.0W/Kg，送測產品實測值為 w/Kg

Laser Information

The Unitech PA700 series is certified in the U.S. to conform to the requirements of DHHS/CDRH 21CFR Subchapter J and to the requirements of IEC 825-1. Class II and Class 2 products are not considered to be hazardous. The PA692 series contains internally a Visible Laser Diode (VLD) whose emissions do not exceed the maximum limits as set forth in the above regulations. The scanner is designed so that there is no human access to harmful laser light during normal operation, user maintenance or prescribed service operations.

The laser safety warning label required by the DHHS/IEC for the PA692 series' optional laser scanner module is located on the memory compartment cover, on the back of the unit.

CAUTION! Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous laser light. Use of optical instruments with the scanner, including binoculars, microscopes, and magnifying glasses, with will increase eye damage. This does not include eyeglasses worn by the user.

CAUTION
RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.
DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS