



# BAOBI®

**BAOBIWANXIANG**

Innovation, Better Life

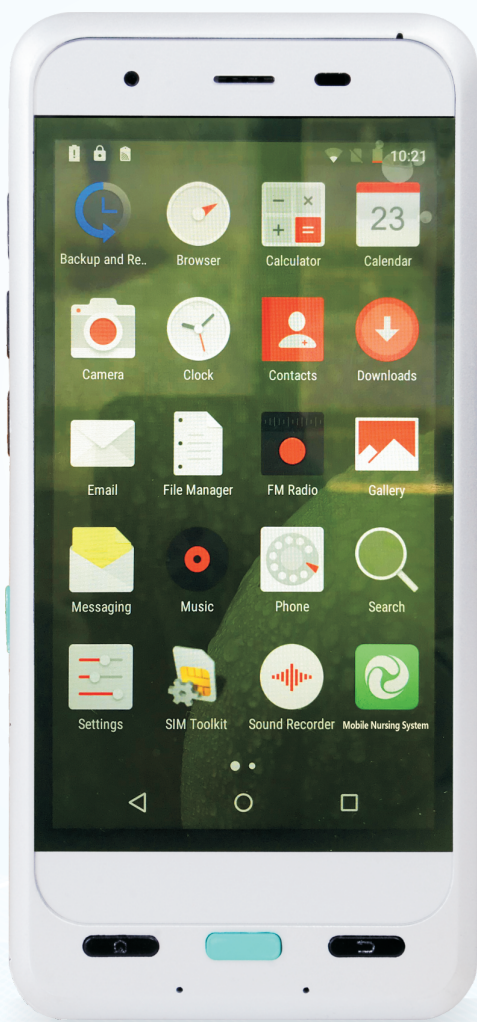


## BAOBI PDA BV7237 UHF

PDA BV7237 UHF product design concept is based on robustness, multifunctional usage and convenient operation. With abundant functionality of Android operating system, PDA BV7237 UHF can quickly and effectively integrate various operational needs, including voice communications, wireless data transmission, positioning, multimedia and data acquisition, etc.

PDA BV7237 UHF is easy to operate. Based on Android 6.0 operating platform and adopting high-performance quad-core 1.45GHz processor, it is with high performance, first-class configuration, safety and reliability. Customized R & D for the medical industry, based on the operational environment and the specific operational requirements in medical industry, exclusively R & D customized kernel and a variety of data acquisition functions, such as one or two-dimensional bar code scanning, RFID (HF / NFC), fingerprint recognition, photography, it achieves fast and accurate reading of patient identification and information collection of wristbands, infusion bags, laboratory file barcode information and RFID information. It will improve the working efficiency of hospitals and eliminate medical errors.

It is perfect for hospitals, medical retirement institutions, nursing homes and other healthcare industries. Electronic information can be synchronized to the Hospital Information System via Wi-Fi, 4G, Bluetooth and other wireless Internet. PDA BV7237 UHF is not only conducive for hospital staffs to provide better and professional medical services, but also helps to improve the hospital management.



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Agency Approvals



# BAOBI PDA BV7237 UHF Technical Parameter

- Quad-core 64-bit 1.45GHz CPU design, high performance, power saving and smooth graphics display
- Android 6.0 operating system
- 5.0 inch LTPS LCD screen with a resolution of 1024x768
- Capacitive screen, multi-touch, operable even if hands in wet status or wearing gloves
- Omnidirectional and automatic scanning of linear barcode or 2-dimensional barcode
- Support reading and writing RFID (UHF) with 920-928 MHz and 865-868 MHz frequency, reading distance is 0-150 cm;  
Support Protocol: EPC Global UHF Class 1 Gen 2/ISO 18000-6C/ ISO 18000-6B etc.
- Support reading and writing RFID (HF / NFC) with 13.56 MHz frequency;  
Support Protocol: ISO14443A, ISO1443B and ISO15693 etc.
- Support scanning barcode and reading RFID simultaneously
- Support comparison between scanning data and reading RFID data
- With GPS positioning function
- IP67 dust-proof, waterproof and resistant (1.2 meters drop test)



## II Performance

Operating System: Android 6.0

CPU: 4-core 1.45 GHz high-performance processor

Internal Memory: 32GB ROM + 3GB RAM

Scalability: Support for SDHC micro SD slot (expandable to 32GB)

SIM Card Slot: Dual SIM card, NANO + micro

Working Battery: Rechargeable 3.8V 4300 mAh lithium polymer safe battery, support fast charging

Working Hours: 10 hours (full load work)

Prompt Way: Sound / Vibration / LED light

Support Interface: micro USB, support USB2.0 OTG

## II Wireless Communication

Network Standards / Frequency Ranges: GSM/EDGE(2G)Band 2/3/5/8; WCDMA(Unicom 3G)Band 1/2/5/8; TD-SCDMA(Mobile 3G)Band 34/39; TD-LTE(Mobile 4G)Band 38/39/40/41; LTE-FDD(Mobile / Telecom / Unicom) Band 1/3/7/20; GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA/HSPA+; GSM/GPRS/EDGE: 850/900/1800/1900; UMTS/HSDPA/HSUPA: 850/900/1900/2100

Wireless LAN (WLAN): WIFI 802.11 a/b/g/n Support 2.4G and 5G frequency range

WLAN Security Protocols: WPA(PSK), WPA2(PSK), WEP, TKIP, AES, EAP (MD5 CHAP, MS CHAP V2, TLS, PEAP)

Bluetooth: Bluetooth 4.0

GPS: Support GPS/AGPS

## II Data Engine

### Barcode Scanning:

Automatically identify one-dimensional laser or two-dimensional image, and with sound and vibration reminder, reading instruction function.

Barcode Scanning: Code128, EAN-13, EAN-8, Code39, UPC-A, UPC-E, Codabar, Interleaved 2 of 5, China post 25, ISBN/ISSN, Code93, UCC/ EAN-128, GS1 Databar, HIBC, etc.

QR code scanning, identification code system: QR, PDF417 Code128, EAN-13, EAN-8, Code39, UPC-A, UPC-E, Codebar, Interleaved 2 of 5, China post 25, ISBN/ISSN, Code93, UCC/EAN-128, etc.

Scanning Angle: Omnidirectional

### RFID UHF ( Reading / Writing):

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Support Protocol: EPCglobal UHF Class 1 Gen 2 / ISO 18000-6C

Working Frequency: 902MHz-928MHz 865MHz-868MHz

Output Power: 18 ~ 26 dBm

Quick Start: <80 ms

Peak Speed: >50 sheets/s

UHF Antenna: Ceramic antenna

Reading Distance: 0 ~ 1.5 meters (test tag: Impinj E41b)

Supported Area: China (Other region is optional)

### RFID ( Reading / Writing):

Reading and Writing RFID (HF/NFC) with 13.56 MHz frequency

Support Protocols: ISO14443A, ISO14443B and ISO15693

## II Physical Characteristics

Camera: Front camera with 13 million pixels, rear camera with 13 million pixels, flash and auto focus

Display: 5 inch HD, 1024 \* 768, penetrating IPS LCD, support using in dark environments

Touch Panel: Capacitive touch, 5 point touch, fit completely, support for finger or latex gloves touch

Interactive Sensors: Infrared sensor, light distance sensor, gravity sensor, compass sensor

Fingerprint Identification: Supports fingerprint capture for different applications, such as unlocking, authentication, and payment

Keyboard: 6 side buttons: left and right exclusive scan buttons, power button and lock screen, volume control button, camera button  
3 main keys: Home key; Back key; Scan key

Sound: Speaker, dual MIC noise canceling microphone

FM: Support FM radio

Multimedia: Support audio formats: AAC, AAC +, AMR-NB, MIDI, MP3, WMA  
Video decoder (player): MPEG4, H.263, H.264, VC-1

Charging Interface: 1, USB port charging

Dimensions (L \* W \* H): L162 \* W77 \* H24 mm

Weight: 305g

## II Operating environment

Operating Temperature: -20 °C to 50 °C / -4 °F to 122 °F

Operating Humidity: Operating humidity 10% to 90%, storage humidity 5% to 95% (non-condensing)

Protection Class: IP67

Drop Standard: Multiple 1.2 m drop to steel surface test

## II Accessories

Battery, USB data cable, Power adapter

Agency Approvals

RoHS

