

# MBA5-P23 V11



RFID  
UHF



8000 mAh battery



RAM+ROM  
3 GB + 32 GB / 4 GB + 64 GB (optional)



IP65  
40°C ~+70°C  
5% RH ~95°RH non condensing  
Multiple 1.5m



RFID UHF



Keyboard emulation for UHF  
and 2D (HID)

V2.0  
Non-contractual datasheet

## Physical specifications

Operating System	Android 11.0
CPU	Cortex-A53 2.3 GHz Octa-core
Memory	RAM: 3Gb ROM: 32Gb
Extended storage	Supports up to 128 GB Micro SD card
Dimensions	164.2 x 80 x 24.3mm
Weight	654g
Display	5.2" IPS FHD 1920x1080P Corning Gorilla Glass, multi-touch panel, gloves and wet hands supported
Battery	8000mAh, Li-ion, rechargeable Standby: over 500 hours Continuous use: over 12 hours (depending on user environment) Charging time: 3-4 hours (with standard adaptor and USB cable)
I/O Ports	1 Type C USB 1 slot for SIM card, 1 slot for SIM or TF card
Keys	4 front buttons, 1 side button, 2 scan keys, 1 multifunctional key
Camera	13MP Autofocus with flash
Other - general	Audio: speaker Sensors: Gravity sensor, Light Sensor, Proximity Sensor

## Wireless communication

Wifi	Dual Wifi 2,4 + 5GHz IEEE802.11 a/b/g/n, 2.4G/5G dual-band, internal antenna
Bluetooth	Bluetooth 5.0, BLE
3G / 4G	3G / 4G
GPS	GPS/AGPS, GLONASS, BeiDou; internal antenna

## User Environment

Operating temperature	-20°C to +50°C
Storage temperature	-40°C to +70°C
Humidity	5% – 95% relative humidity, no condensation
Protection grade	IP65 Drop Specification Multiple 1.5m/4.9ft drops (at least 20 times) to the concrete across the operating temperature range Tumble Specification 1000 x 0.5m/1.6ft falls at room temperature

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## Data collection

### RFID

RFID Ultra High Frequency	Frequency: 865MHz-868MHz / 920-925MHz / 902-928MHz Protocol: EPC C1 GEN2 / ISO18000-6C Power: 1W (30dBm, +5dBm to +30dBm adjustable) * Ranges and rates depend on tags and environment Reading rate: ~200 tags/s (circular polarization)
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### Barcode 1D/2D

1D/2D Barcode Scanner	SE4710 Option: SE4750 / SE4750MR; N6603
1D Symbologies	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS, etc.
2D Symbologies	PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, Aztec, MaxiCode; Postal Codes: US, PostNet, US Planet, UK Postal, Australian Postal, Japan Postal, Dutch Postal (KIK, etc).

### Other module (option)

Other data capture module	Fingerprint identification: Supports fingerprint entry, image collection, fingerprint recognition, fingerprint deletion etc. Type: TCSIST Sensor type: capacitive Acquisition window size: 24.5*19mm Effective image size:15.5*18.5mm Image size: 256*360 Resolution: 500 DPI contrast mode(1:1); search mode(1:N)
Other data capture module 2	Option Far infrared meter reading: Working frequency 37.9KHZ

## Accessories



**Carry bag for MBA5-P23**

Item code: SACMBA5P231201



**Protection case**

Item code: HOUMBAP230919



**Silicon protection to allow charging and datatransfer via cradle**

Item code: MBA5P23\_1921



**Simple charging cradle, USB type C, with chargeur, EU plug**

Item code: CRMBA5P2X0812



**Charging cradle compatible with protection case, with charger, EU/US plug**

Item codes:

EU : A/MBA5P2XCR1919EU

US : A/MBA5P2XCR1920US



**Charging cradle compatible with protection case, with charger, with Ethernet, EU/US plug**

Item codes:

EU : A/MBA5P2XCRET1926EU

US :A/MBA5P2XCRET1927US

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