

# MBA5-P22 V11



8000 mAh battery



RAM+ROM 3 GB + 32 GB

IP65

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



RFID HF/NFC



Can be used in keyboard emulation

V2.0  
Non-contractual datasheet

# MBA5-P22 V11



## Physical specifications

Operating System	Android 11.0
CPU	Cortex-A53 2.3 GHz Octa-core
Memory	RAM+ROM 3 GB + 32 GB
Extended storage	Supports up to 128 GB Micro SD card
Dimensions	164.2 x 80 x 24.3mm
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	Wifi 2,4 GHz and 5GHz IEEE802.11 a/b/g/n/ac, 2.4G/5G dual-band, internal antenna
Bluetooth	Bluetooth 5.0
3G / 4G	3G / 4G
GPS	GPS/AGPS, GLONASS, BeiDou; internal antenna

## User Environnement

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

V2.0

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AXEM Technology

11-13, rue Auguste Perret - ZAC Europarc - 94042 Créteil Cedex France

Tél. : +33 (0)1 41 94 11 85 - Fax. : +33 (0)1 49 56 91 52 - commercial@axemtec.com - www.axemtec.com

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## Data collection

### RFID

RFID High Frequency	NFC Only Frequency: 13,56MHz Protocol : ISO14443A/B, ISO15693, NFC-IP1, NFC-IP2, etc.
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### Barcode 1D/2D

1D/2D Barcode Scanner	SE4710 Option: SE4750 / SE4750MR; Honeywell: N6603 (on request)
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



**Cradle**

CRMBA5P2X0812



**Cradle**

Compatible with/without case

A/MBA5P2XCR1919EU (Europe plug)  
A/MBA5P2XCR1920US (USA plug)



**Cradle**

Ethernet, requires the case

A/MBA5P2XCRET1926EU (Europe plug)  
A/MBA5P2XCRET1927US (USA plug)

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# MBA5-P22 V11



**Case + anti strangulation strap**

HOUMBA5P2X0981



**Silicone case**

HOUMBA5P2X1917



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