MBA5-P23 V11

AXEM Technology

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)

V1.0
Non-contractual datasheet

AXEM Technology
11, 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

MBA5-P23 V11

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 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

V1.0
Non-contractual datasheet

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)

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

Bag

Case + anti strangulation strap

Cradle

V1.0
Non-contractual datasheet

AXEM Technology
11, 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

Associated products

Item name	Base	NFC	UHF	1D/2D	Gun
MBA5-P20 V11	x	x			
MBA5-P21 V11	x	x		x	
MBA5-P22 V11					x

MBA5-P20

MBA5 P21

MBA5 P22

V1.0
Non-contractual datasheet