

MBA5-P24



6700 mAh battery



RAM+ROM
4 GB + 64 GB



IP65
-40°C to +70°C (storage)
-20°C to +50°C (operating)
5% RH ~95°RH non condensing



RFID UHF

V1.2
Non-contractual datasheet

Physical specifications

Operating System	Android 13
CPU	2.3 GHz Octa-core
Memory	RAM: 4 GB ROM: 64 GB
Extended storage	Supports up to 256 GB Micro SD (TF) card
Dimensions	177 x 80.2 x 14.8mm
Weight	626g (with battery)
Display	6", 2160x1080P Multi-touch panel, gloves and wet hands supported
Battery	6700mAh, 13400 mAh optional Removable 13400mAh battery Integrated 100mAh back-up battery for hot-swappable batteries
I/O Ports	1 Type C USB 2.0 1 slot for Nano SIM card 1 slot for Nano SIM or TF card OTG Type-C earphones supported
Keys	1 power button, 2 scan buttons, 1 user-defined button, 2 volume buttons (+/-)
Camera	13MP Autofocus with flash
Notifications	Sound, LED indicator, vibrator
Other - general	Audio: speaker, microphone, receiver Sensors: gravity, luminosity, proximity, geomagnetic (optional), gyroscope (optional)

Wireless communication

Wifi	802.11 a/b/g/n/ac, 2.4G/5G dual-band
Bluetooth	Bluetooth 5.0
3G / 4G	2G, 3G / 4G
Vo-LTE	Supported
GPS	GPS/AGPS, GLONASS, BeiDou, Galileo

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

Data collection

RFID

Module	CM710-1, based on Impinj E710
RFID Ultra High Frequency (RAIN RFID)	Frequency: 865MHz-868MHz / 920-925MHz / 902-928MHz Standard: EPC global Gen 2 (ISO18000-6C) Power: 1W (30dBm, +5dBm to +30dBm adjustable) Ranges and rates depend on tags and environment
Fastest read rate	1300 tags/s (circular polarization)
Antenna	Circular polarization; 5dBi

HF/NFC (option)

Frequency	13.56 MHz
Protocol	ISO14443A/B, ISO15693, NFC-IP1, NFC-IP2
Chips	M1 card (S50, S70), CPU card, NFC tags,...
Reading distance	2-4cm

1D/2D barcode (option)

1D/2D Barcode Scanner	CM60, SE4710
1D Symbologies	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS,...
2D Symbologies	PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, Aztec, MaxiCode ; Codes postaux : US, PostNet, US Planet, UK Postal, Australian Postal, Japan Postal, Dutch Postal (KIK)...

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Accessories



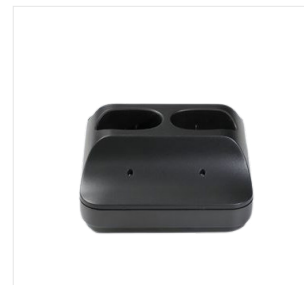
Protection case



Shoulder strap



Charging cradle



Battery charging station



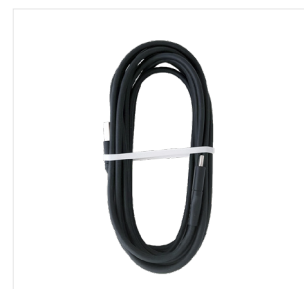
4-slot charging base



13400 mAh pistol battery



Hand strap



USB-Type C cable

To obtain all available accessories, please contact us at commercial@axemtec.com