

MBA4



6700 mAh battery



3GB+32GB



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



RFID NFC

V2.0
Non-contractual datasheet

General specifications

Operating System	Android 11.0
CPU	Qualcomm 1.8 GHz Octa-core
Memory	3GB+32GB
Extended storage	Supports up to 128 GB Micro SD card
Dimensions	202.0 x 72.5 x 32.0 mm / 7.95 x 2.85 x 1.26 in
Weight	370g
Display	4-inch high definition full display, IPS LTPS 800*480
Battery	6700 mAh removable main battery, 5200 mAh optional pistol battery, support QC3.0 and RTC; Built in 100mAh, backup battery, supporting battery hot swap, improving reliability and ensuring user data security Standby: up to 680 hours (only main battery ; WiFi: up to 560h; 4G: up to 560h) Continuous use: over 12 hours (depending on user environment) Charging time: 3.5 hours (charge device by standard adaptor and USB cable)
I/O Ports	USB 3.0, Type-C, OTG, extended thimble
Keys	Main keyboard: 37 keys in total Side keys: 2 SCAN keys + 2 volume keys + 1 user-defined key
Camera	Rear 13 MP Autofocus with flash
Other - general	Speaker, vibrator 2 Microphones, 1 for noise reduction Sensor: gravity sensor, proximity sensor, light sensor, accelerometer sensor, vibration motor Indicator LED: power, charging, status indicator Card slot: 1 slot for SIM card, 1 slot for TF card

Wireless communication

Wifi	Support 802.11 a/b/g/n/ac/d/e/h/i/k/r/v, 2.4G/5G dual-band, IPV4, IPV6
Bluetooth	Bluetooth 5.1
Vo-LTE	Support Vo-LTE HD video voice call
3G / 4G	WWAN (Europe, Asie) : 2G: 850/900/1800/1900MHz, 3G: CDMA EVDO: BC0, WCDMA: 850/900/1900/2100MHz, TD-SCDMA: A/F(B34/B39), 4G: B1, B3, B5, B7, B8, B20, B38, B39, B40, B41 WWAN (Amérique) : 2G: 850/900/1800/1900MHz, 2G: 850/900/1800/1900MHz, 4G: B2, B4, B5, B7, B12, B17, B38
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% RH to 95% RH (non condensing)
Protection grade	IP65 per IEC sealing specifications
Drop Specification	Multiple 1.8 m / 5.9 ft. drops (at least 20 times) to the concrete across the operating temperature range
Tumble Specification	1000 x 0.5 m / 1.64 ft. falls at room temperature
ESD	±15 KV air discharge, ±8 KV conductive discharge

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Data collection

HF/NFC

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

Long range barcode 1D/2D (option: short range)

1D/2D Barcode Scanner	SE4850: long range scanner (Option: SE4710 short range scanner)
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 (KIX), etc..

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