



F502

FULL SCREEN SMART HANDHELD TERMINAL

5.5-inch HD durable large display · High speed Octa-core



Product Specifications

Performance

Octa Core	
CPU	MT6765X Octa core 64-bit 2.3GHz high-performance processor
RAM+ROM	2GB+16GB/4GB+64GB
Expand memory	Micro SD(TF) Supports up to 256GB
System	Android 10.0/ Android 13.0

Data Communication

WLAN	Dual-band 2.4GHz / 5GHz, Support IEEE 802.11ac/a/b/g/n/d/e/h/i/j/k/r/v protocol
WWAN	2G: GSM (850/900/1800/1900MHz)
	3G: WCDMA (850/900/1900/2100MHz)
	4G: FDD:B1/B3/B4/B7/B8/B12/B20 TDD:B38/B39/B40/B41
Bluetooth	Support Bluetooth5.0+BLE , transmission distance 5-10 meters
GNSS	Support GPS, Galileo, Glonass, Beidou

Physical Specifications

Dimensions	160.5mm x 70.6mm x 14.9 mm (The thinnest)
Weight	240g
Display	5.5" IPS color display,resolution 720x1440
Screen brightness	>500cd/m2
TP	Supports multi-touch
Battery capacity	Rechargeable polymer battery (3.85V 4200mAh)
	Standby time >350 hours
	Charging time < 3 hours, use standard power adapter and data cable
Expansion Card slot	Standard: NANO SIM×2, TF+NANO SIM or Single NANO SIM (Optional)
Communication interface	Type-C USB x 1, OTG
Speaker volume	>94db (test distance 10cm)
Audio	Speaker (mono), Microphone , Receiver
Keypad	Power key, Volume +/- key,Scan key × 2
Sensors	Gravity sensor, Light sensor, Proximity sensor

Data Collection

Barcode Scanning (Optional)	
2D Scanning engine	Honeywell N6703 N5703 N6602-W2
1D Symbologies	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS,etc. Postal Codes:USPS Planet, USPS Postnet, China Post, Korea Post, Australian Postal, Japan Postal, Dutch Postal (KIX), Royal Mail, Canadian Customs,etc.
2D Symbologies	PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, Aztec, MaxiCode, HanXi,etc.

Camera (Standard)

Rear camera	13MP HD camera,Support auto focus, Flash, Anti-shake, Macro shooting
Front camera	2MP color camera

NFC (Optional)

Frequency	13.56MHz
Protocol	Support ISO14443A/B, 15693 agreement
Distance	2cm-5cm

Language/Input Method

Input	English, Pinyin, Five strokes, Handwriting input, Support soft keypad
Language	Chinese, English, Korean, Japanese, Malaysian,etc.

User Environment

Operating temperature	-20℃ - 55℃
Storage temperature	-40℃ - 70℃
Environment humidity	5%RH--95%RH(no condensation)
Drop specification	temperature range, 6 sides can withstand a height of 1.5 meters,falling to the marble.
Rolling test	0.5m rolling for 6 sides, can still work steadily
Sealing	IP66

Accessories

Standard	Adapter, Data cable, Protective film, Instruction manual
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Special Note: Product data is for reference only and subject to change without notice. model: F502 Update：2025-4-29



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