

M50 SE

Android Mobile Terminal



High-performance 5G mobile device with integrated RFID, dual cameras, and professional-grade scanning.

- High-End Performance for Professional Mobility: Delivers flagship-level performance with AI-optimized architecture, ensuring fast response and smooth multitasking in professional mobility scenarios.
- Dual-Side NFC for Flexible SoftPOS Payments: Supports dual-side contactless transactions and is fully compliant with EMV L1, enabling secure and flexible payment experiences.

- **Rugged Design for Harsh Environments:** IP68-rated protection ensures reliable operation in warehouses, outdoor, and industrial scenarios.
- **Next-Generation Connectivity:** Integrated 5G LTE, Wi-Fi 7, dual-band GPS, and NFC deliver fast, stable, and always-on connectivity.



| SPECIFICATIONS

Processor	64-bit octa-core, 2.9 GHz	SIM/SAM Slots	2*SIM + 1*eSIM <i>* The SIM 2 slot and eSIM are mutually exclusive.</i>
System	Android 15 (GMS)	Sensor	G-sensor Ambient light sensor Proximity sensor Gyroscope E-compass Barometer (Optional)
Memory	Internal: 8GB RAM + 128GB FLASH (LPDDR5) Expansion: MicroSD card, up to 2TB	Power	Supply: 5V/3A or 9V/3A Battery: 3.87V 5000mAh / 19.35Wh Li-ion, removable 90mAh internal battery (hot swap supported)
Display	5.99", 720×1440, capacitive multi-touch	Dimensions	166.8 × 78 × 16.1 mm (Terminal only)
Buttons	1*Power, 2*Volume, 1*Function 2*Scan (Optional)	Weight	290g (With battery) (Terminal only)
Camera	Front: 8MP with fixed focus Rear: 16MP with autofocus & flash	Operating Temp.	Discharging: -10°C to +50°C Charging: 0°C to +35°C
Scanner	None Zebra scan engine (Optional)	Storage Temp.	-20°C to +70°C
Audio	1.0W 90dB@0.1m, Single speaker 1*Headset via USB Type-C port 2*Microphone (with noise cancellation),	Operating Humidity	5% to 95% (Non-condensing)
Connectivity	WAN: 5G/4G/3G/2G fallback Wi-Fi: IEEE 802.11 a/b/g/n/ac/d/h/i/r/k/v/w/mc/ax, Wi-Fi 7, 2.4Ghz/5Ghz, 2x2 MIMO Bluetooth: Bluetooth 6.0, supports BLE	Protection	IP68, 1.5m drop resistance
Positioning	Dual-Band GNSS: AGPS, GPS, GLONASS, BeiDou, Galileo	Certifications & Compliance	Payment: EMVCo Contactless L1 Regulatory: CE, CB, FCC, IC, RoHS, WEEE, UN 38.3, DGM, GMS
Ports	1*USB Type-C 3.0 port 10*Back pogo pin (for connecting accessories) 2*Bottom pogo pin (for charging)	Accessories (Sold separately)	Battery charger Charging base Hand strap Wrist strap Screen protector Protective case Trigger handle
NFC	Android NFC, ISO/IEC 14443, ISO15693 compliant, Supports Type A/B Mifare, FeliCa, EMVCo PCD L1 Certified		
RFID (Optional)	866MHz~867MHz 902MHz~928MHz 920MHz~924.5MHz		

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