

# 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

|                                  |  |                      |  |
|----------------------------------|--|----------------------|--|
| <b>Processor</b>                 | 64-bit ARM Cortex Octa-core, 2.9GHz  | <b>Card reader</b>   | Android NFC, EMVCo PCD L1 Certified, ISO / IEC 14443 Type A / B Supported, Position: In-Display (Support dual-direction NFC reading)   |
| <b>OS</b>                        | Android 15 (GMS)<br>64 bits  | <b>SAM/SIM slots</b> | 2* SIM<br>1* SIM + 1* eSIM (Optional)  |
| <b>Memory</b>                    | 8GB RAM (LPDDR5) + 128GB FLASH<br>MicroSD Card (Up to 2TB)   | <b>Connection</b>    | 1* USB-Type C 3.0<br>2* POGO Pins<br>10* POGO Pins   |
| <b>Display &amp; Touchscreen</b> | 6", 1440×720 px, capacitive multi-touch<br>(Support Wet Hand and Glove Mode)                       | <b>Sensor</b>        | <ul style="list-style-type: none"> <li>• G-Sensor</li> <li>• Proximity Sensor</li> <li>• Light Sensor</li> <li>• Gyroscope</li> <li>• E-Compass</li> </ul>   |
| <b>Scanner</b>                   | Zebra Scan Engine<br>Built-In RFID Reader  | <b>PSU</b>           | 9V/2A, 5V/3A   |
| <b>Keypad</b>                    | 1* Power Key<br>2* Scan Code Keys Are Located On Each Side<br>2* Volumes Keys<br>1* Functional Key | <b>Battery</b>       | Main Battery: 5000mAh/3.8V, Removable<br>Sub Battery: 90mAh, Built-in  |
| <b>Audio</b>                     | 1.0W 90dB@0.1m<br>via USB-C<br>Dual Noise-Canceling MIC  | <b>Environment</b>   | Operating Temperature: -20°C to +50°C<br>Storage Temperature : -30°C to +60°C<br>Operating Humidity: 10% to 90%<br>non-condensing  |
| <b>Connectivity</b>              | Cellular: 5G, 4G, 3G, 2G and GPRS<br>Wi-Fi 7: 2.4GHz, 5GHz and 6GHz<br>Bluetooth: 5.4, Support BLE | <b>Accessories</b>   | <ul style="list-style-type: none"> <li>• Single Charging Base (Device)</li> <li>• Scan Trigger Handle</li> <li>• UHF Handheld Reader</li> <li>• Hand Strap</li> <li>• Quad Bay Charging &amp; Battery Base</li> <li>• Rubber Boot</li> <li>• Screen Protector</li> <li>• 1+1 Charging Base (1*Device+1*Battery)</li> </ul> |
| <b>Positioning</b>               | Dual-Band GPS: AGPS, GPS, GLONASS,<br>BeiDou, Galileo  | <b>Certification</b> | CE, CB, FCC, IC, RoHS, WEEE, GMS   |
| <b>Camera</b>                    | 8MP, Fixed Focus, For QR Code Scanning<br>16MP, Autofocus And Flashlight                           |                      |  |
| <b>Protection</b>                | IP68<br>1.2m Drop Resistant (MLT-810)<br>1.5m Drop Resistant with Rubber Boot                      |                      |  |



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