

BM5510

5" Biometric Handheld Mobile Terminal



Multi-connected. Heavy-duty. Highly-interoperable. The Aratek BM5510 is a compact 5-inch biometric handheld terminal built for mobile identity checks and field service operations. It combines certified fingerprint recognition, facial recognition support, contactless credential reading, and long-lasting battery power in one handheld device. With Android 13, 3G/4G, Wi-Fi, Bluetooth, GPS, and dual-SIM support, the BM5510 helps teams stay mobile and connected across national ID, SIM registration, voter verification, public security, mobile attendance, financial services, and other field-based applications.



Certified Fingerprint Recognition

Built with an FBI Mobile ID FAP 20 optical fingerprint scanner for reliable single-finger capture in the field.



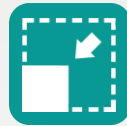
Facial Recognition Support

Adds face recognition capability to support mobile identity verification workflows.



Contactless Card Reading

Supports contactless card reading for convenient credential verification.



Compact Handheld Design

Compact handheld form factor supports everyday use by mobile teams in field environments.



Long-Lasting Battery Power

High-capacity battery supports extended field operation and frequent daily use.



Field Wireless Connectivity

3G/4G, Wi-Fi, Bluetooth, and dual-SIM support help mobile teams stay connected during field operations.



GPS Positioning

GPS and AGPS support location-aware field services, reporting, and mobile attendance workflows.



Android 13 Platform

Android 13 provides a familiar platform for application deployment and field system integration.

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Biometrics

Fingerprint Scanner	FBI Mobile ID FAP 20 Aratek A600
Platen Size (W*L)	16.0*21.0 mm
Sensing Area (W*L)	15.24*20.32 mm
Image Size	300*400 pixels
Image Resolution	500 dpi
Gray Level	256 level
Facial Recognition	Support

Credential Reading

NFC	ISO 14443A/B
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Basic

Operating System	Android 13
Processor	Quad-Core, 2.0GHz
Memory (RAM+ROM)	3G+32G, 4G+64G (Option)
Display	5-inch capacitive touch screen
Resolution	720*1280 pixels IPS
Camera	Rear: 13MP AF + LED Flash
SD Card	Micro SD card, up to 256G
Battery	10000mAh (Option: 4000mAh)
Charger	Input: 100-240V, 50/60hz, Output: 9V/2A Fast charging capability
Weight	470 g
Dimension (W*L*H)	83*201*44 mm
Temperature and Humidity	Operating: 0°C~50°C, 10%~75% Storage: -20°C~60°C, 5%~85%

Communications

3G/4G	Support
Wi-Fi	802.11a/b/g/n/ac
Bluetooth	BT 5.0
GPS	GPS, AGPS
SIM Card	Micro SIM Card*2
USB	USB Type-A*1, Type-C*1

Certification

Certification	CE, FCC, RoHS
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Applications

- National ID
- Public Security
- SIM Registration
- Voter Verification
- Mobile Attendance
- Financial Service

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