

BM5520

5" Smart Biometric Mobile ID Terminal



Scan. Verify. Move. The Artek BM5520 is a smart biometric mobile ID terminal built for identity verification in the field. Combining fingerprint recognition, facial recognition, NFC card reading, and barcode scanning, it gives mobile teams a flexible way to verify users and credentials without relying on fixed service counters. With connected operation and long battery life, the BM5520 is well suited to SIM registration, voter verification, public security, financial services, mobile attendance, and more—helping teams bring reliable mobile ID verification closer to the people, places, and workflows they serve.



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.



Fast Barcode Scanning

Supports quick barcode reading for flexible mobile credential and data verification.



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
Barcode Reader	1D, 2D, PDF417, QR Code, Code 39, Code 128, DataMatrix, UPC-A, etc.

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	485 g
Dimension (W*L*H)	83*201*43 mm

Temperature and Humidity	Operating: 0°C~50°C, 10%~75% Storage: -20°C~60°C, 5%~85%
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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
- Logistics Tracking
- Financial Service

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