

MARKLAND

i-ARK M10A

10.1" Biometric Tablet



Fingerprint Authentication

FBI FAP 50 certified 4-4-2 fingerprint scanner with liveness detection



Facial Recognition

Ensures clear and precise facial recognition



Document Reading

Integrated with document reader for passports, driving licence, and ID cards



Contact & Contactless Card Reading

Equipped with 2 contact card reader and NFC reader

i-Ark M10A Biometric Tablet

The i-Ark M10A is a compact and high-performance biometric tablet designed for trusted identity enrollment and verification. It supports **multi-modal biometric** authentication including **fingerprint** and **facial recognition**, along with document and credential reading via **contact**, **contactless** interfaces, **QR** codes, and **MRZ** data.

Its integrated camera enables **facial authentication** while it features **secure boot** to ensure system-level integrity. Paired with a comprehensive SDK, the i-Ark M10A is ideal for government, law enforcement, and border management.



FEATURES

Technology

-  Fingerprint
-  Facial
-  Document Reader
-  NFC / RFID
-  Contact Smart Card
-  QR Reader

Operating System

-  Android 12

Wireless Communication

-  Supports 3G/ 4G, Wi-Fi, Bluetooth

Battery

-  8000mAh , 8 hours running time

[Contact Sales >>>](#)

Biometrics

Fingerprint Recognition

Format	4-4-2, Capture single-finger, four-finger direct, single-finger rolls
Liveness detection	Support
Camera	TFT
Platen Size	85.8 mm x 53.9 mm
Resolution	500 ppi with 256 grayscale dynamic range
Image Size	1600 x 1000 pixels (FBI and MOSIP certified)
Image Format	RAW, JPEG2000, BMP, PNG, WSQ (FBI-approved)
FBI Certifications	FAP 50
Ingress Protection	IP65 Sealed bezel to scanning surface

Facial Recognition

Camera System	Dual Camera System
Imaging System (Front)	5MP Fixed Focus Camera
Imaging System (Rear)	13MP Auto Focus Camera

Credential Reading

Document Reader

Document Formats	Passports (TD1), Identity Card and Driver Licence (TD3), Visa (TD2)
Document Types	ICAO 9303 standard documents (TD1/TD2/TD3)
Capture Rate	Half-page Document Reader
MRZ Reading	MRZ 1, 2, and 3 line reading with ≥99.8% accuracy
Illumination	Near-Infrared (B900, 860 nm)

Contactless Card Reader

Card Formats	Passports (TD1), Identity Card and Driver Licence (TD3), Visa (TD2)
Standards	ISO/IEC 14443 A&B Part 1 - 4 ISO14443/ISO18092
Speed	Up to 848 kbps, T=CL

Contact Card Reader

ID Formats	ID-1
Standards	ISO/IEC 7816 Part 1 to 4, Class A/B/C
Speed	Up to 600 kbps, TA1=97

Barcode Reader

QR Formats	Support internal 1D/2D scanner
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Basics

Operating System	Android 12.0
Processor	RK3588Quad-CoreCortex-A76+Quad-coreCortex-A55
Memory (RAM+ROM)	8G+128G, (Option:4G+64G)
LCD Display	10.1 inches
Display Feature	Touchpanel G+Gtempered glass scratch resistant & impact proof
Display Resolution	800×1280(IPS+HD+300ANSI)
SD Card	Up to 512GB
Battery	8000mAh
Operating time	8 hours run time on full battery

Communications

Network	3G/4G (Optional)
Wifi	IEEE 802.11 a/b/g/n/ac
Bluetooth	BT 5.0
GPS	GPS + GLONASS + Galileo + Beidou (Optional)
SIM Card	Support
USB	USB Type-A, Type-C
Connector	2 USB 3.0 Type-A, 1 USB 3.0 Type-C, RJ45
Serial Port	DB9 (RS232)

Certifications

Certification	CE, RoHS
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Warranty

Warranty	1 year
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