

MARKLAND

i-ARK M10A

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



Barcode Scanning

Support fast barcode scanning



Wireless Communication

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



Operating System

Android



Long Life Battery

8000mAh battery capacity with 8 hours operating time

Biometrics

Fingerprint Scanner

API Interface	Capture single-finger, four-finger direct, single-finger rolls
Liveness detection	Supported
Camera	TFT
Resolution	500 ppi with 256 grayscale dynamic range
Supported image formats	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)	13MP 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 $\geq 99.8\%$ accuracy
Illumination	Near-Infrared (B900, 860 nm)

NFC Reader

NFC Reader	ISO/IEC 14443 A&B Part 1 - 4 ISO14443/ISO18092
Speed	Up to 848 kbps, T=CL

Contact Reader

ID Formats	Dual ID System for ID-1
ID Types	ISO/IEC 7816 compliant
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	RK3588 Quad-Core Cortex-A76+ Quad-core Cortex-A55
Memory (RAM+ROM)	8G+128G,(Option:4G+64G)
LCD Display	10.1 inches
Display Feature	Touch panel G+G tempered 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
Wifi	IEEE 802.11 a/b/g/n/ac
Bluetooth	BT 5.0
GPS	Optional GPS + GLONASS + Galileo + Beidou
SIM Card	Optional
USB	USB Type-A, Type-C
Connector	2 USB 3.0 Type-A, 1 USB 3.0 Type-C
Serial Port	DB9 (RS232)

Certifications

Certification	CE, RoHS
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