

# MARKLAND

## i-ARK M10AI

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



### Iris Verification

MOSIP compliant binocular iris recognition module with auto-capture



### Contact & Contactless Card Reading

Equipped with 2 contact card reader and NFC reader



### Barcode Scanning

Support fast barcode scanning

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## i-Ark M10AI Biometric Tablet

The i-Ark M10AI is a compact and high-performance biometric tablet designed for trusted identity enrollment and verification. It supports **multi-modal biometric** authentication including **fingerprint, facial** and **iris 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 M10AI is ideal for government, law enforcement, and border management.



### FEATURES

#### Technology

-  Fingerprint
-  Iris
-  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                                 |

### Iris Recognition

|                       |                                                                                                |
|-----------------------|------------------------------------------------------------------------------------------------|
| Capture Type          | Binocular                                                                                      |
| Capture Mode          | Auto capture (Both Iris Capture Simultaneously)                                                |
| Capture Distance      | 35 ~ 45cm                                                                                      |
| Image Sensor          | 8 Megapixel                                                                                    |
| Image Format          | 8 bits                                                                                         |
| Capture Time          | ≤ 2 seconds                                                                                    |
| Iris Image Resolution | VGA (640 x 480)                                                                                |
| Compliance            | EMI / EMC / UIDAI / MOSIP                                                                      |
| Certificates          | Biometric Data Interchange Format, Environmental, Health and Safety, Ingress Protection Rating |

### 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<br>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 |
|------------|--------------------------------|

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 |
|---------------|----------|

## Warranty

|          |        |
|----------|--------|
| Warranty | 1 year |
|----------|--------|