

# MARKLAND

## i-ARK M10W

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

Windows 11



### Long Life Battery

8000mAh battery capacity with 8 hours operating time

## Biometrics

### Fingerprint Scanner

|                                |  |
|--------------------------------|--|
| <b>API Interface</b>           | Capture single-finger, four-finger direct, single-finger rolls |
| <b>Liveness detection</b>      | Supported  |
| <b>Camera</b>                  | TFT  |
| <b>Resolution</b>              | 500 ppi with 256 grayscale dynamic range                       |
| <b>Supported image formats</b> | RAW, JPEG2000, BMP, PNG, WSQ (FBI-approved)                    |
| <b>FBI Certifications</b>      | FAP 50   |
| <b>Ingress Protection</b>      | IP65 Sealed bezel to scanning surface                          |

### Facial Recognition

|                               |                        |
|-------------------------------|------------------------|
| <b>Camera System</b>          | Dual Camera System     |
| <b>Imaging System (Front)</b> | 5MP Fixed Focus Camera |
| <b>Imaging System (Rear)</b>  | 13MP Auto Focus Camera |

## Credential Reading

### Document Reader

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

### NFC Reader

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

### Contact Reader

|                   |                         |
|-------------------|-------------------------|
| <b>ID Formats</b> | Dual ID System for ID-1 |
| <b>ID Types</b>   | ISO/IEC 7816 compliant  |
| <b>Speed</b>      | Up to 600 kbps, TA1=97  |

### Barcode Reader

|                   |                                |
|-------------------|--------------------------------|
| <b>QR Formats</b> | Support internal 1D/2D scanner |
|-------------------|--------------------------------|

## Basics

|                           |   |
|---------------------------|---|
| <b>Operating System</b>   | Windows 11 64bit  |
| <b>Processor</b>          | Intel Alder Lake-N100 (Quad-core)                               |
| <b>Memory (RAM+ROM)</b>   | 8G+128G,(Option:16G+256G)                                       |
| <b>LCD Display</b>        | 10.1 inches   |
| <b>Display Feature</b>    | Touch panel G+G tempered glass scratch resistant & impact proof |
| <b>Display Resolution</b> | 1200×1920 (IPS+FHD+600ANSI)                                     |
| <b>SD Card</b>            | Up to 512GB   |
| <b>Battery</b>            | 8000mAh   |
| <b>Operating time</b>     | 8 hours run time on full battery                                |

## Communications

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

## Certifications

|                      |          |
|----------------------|----------|
| <b>Certification</b> | CE, RoHS |
|----------------------|----------|