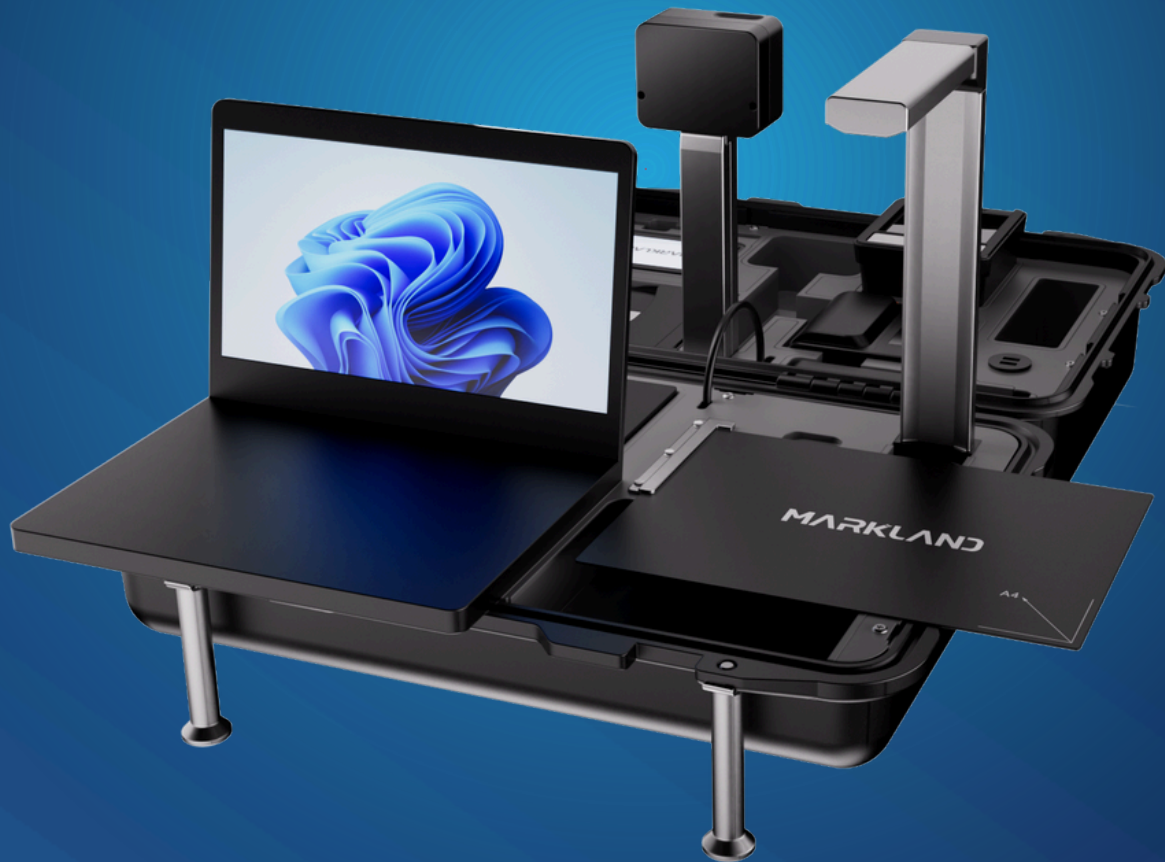


# MARKLAND

## i-ARK M06

Biometric Enrollment Kit



### Fingerprint Authentication

FBI FAP 60 certified 4-4-2 fingerprint scanner with liveness detection



### Facial Recognition

Ensures clear and precise facial recognition with binocular camera



### Iris Verification

MOSIP compliant iris recognition module with auto-capture



### Contact & Contactless Card Reading

Equipped with contact card reader and NFC reader



### Barcode Scanning

Support fast barcode and MRZ scanning



### Signature Capture

5" LCD signature pad for authentication



### Ultra- Long Life Battery

20,000mAh battery capacity and operates 9 hours in full charge



### Wireless Communication

Wi-Fi and Bluetooth

## Biometrics

### Fingerprint Recognition

<b>API Interface</b>	Capture single-finger, four-finger direct, single-finger rolls
<b>Liveness detection</b>	Supported
<b>Camera</b>	CMOS
<b>Platen Size</b>	88.9 mm x 80.0 mm
<b>Resolution</b>	500 ppi with 256 grayscale dynamic range
<b>Image Size</b>	1600 x 1500 pixels (FBI and MOSIP certified)
<b>Image Format</b>	RAW, JPEG, JPEG2000, BMP, PNG, WSQ (FBI-approved)
<b>FBI Certifications</b>	FAP 60
<b>Ingress Protection</b>	IP65 Sealed bezel to scanning surface

### Facial Recognition

<b>Sensor</b>	Binocular
<b>Resolution</b>	5 MP with autofocus
<b>Light Source</b>	3-color light source, adjustable brightness, color temperature: 2800-5500K
<b>Image Format</b>	JPG/MJPEG

### Iris Recognition

<b>Capture Mode</b>	Auto capture (Both Iris Capture Simultaneously)
<b>Speed</b>	<3 seconds
<b>Image Format</b>	640 × 480 resolution with 8-bit grayscale depth
<b>Iris Image Resolution</b>	VGA (640 x 480)
<b>Illumination</b>	Infrared LED (2 x 810nm LED)
<b>Power</b>	1 USB Bus Powered (DC +5V±5%) (Power Consumption: <2.5W)
<b>Certificates</b>	Eye safety standard Exempt Group per IEC62471:2006-07, RoHS FCC part15B/IEC:CISPR22 Class A , IP65, IEC/EN 61000-4 3:2006 A2:2010
<b>Compliance</b>	UIDAI, MOSIP
<b>Connectivity</b>	USB 2.0
<b>Dimensions</b>	190 x 162 x 70 mm

## Credential Reading

### Document Reader

MRZ + NFC + Contact + QR

<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)
<b>NFC Reader</b>	ISO/IEC 14443 A&B Part 1 - 4 and ISO14443/ISO18092
<b>NFC Speed</b>	Up to 848 kbps, T=CL
<b>Contact Reader</b>	Support all ID1 and ISO/IEC 7816 compliant cards
<b>Contact Speed</b>	Up to 600 kbps, TA1=97
<b>Barcode Reader</b>	Support internal 1D/2D scanner

### Document Scanner

<b>Document Format</b>	A4
<b>Resolution</b>	8 MP with autofocus
<b>Light Source</b>	Integrated LED Fill Light
<b>Minimum illumination</b>	10Lux ( 50-80Lux recommended)
<b>Image Format</b>	JPG/MJPG

### Signature Scanner

<b>Display</b>	5 inches
<b>Type</b>	TFT LCD
<b>Platen Size</b>	108*64.8mm
<b>Resolution</b>	800*480 px
<b>Viewing Angle</b>	Horizontal 140°, Vertical 120°
<b>Contrast Ratio</b>	$\geq 10:1$
<b>Brightness</b>	300 cd/m <sup>2</sup>
<b>Speed</b>	15ms

### Thermal Printer

<b>Format</b>	80mm with auto-cut mechanism
<b>Resolution</b>	203dpi

## Tablet

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<b>Processor</b>	ThinkPad S2
<b>Graphics</b>	R5-7530U
<b>Memory (RAM+ROM)</b>	16G+512GB SSD
<b>Operating System</b>	Windows 11 Home/Pro
<b>Display</b>	13.3 -inch IPS Display
<b>Resolution</b>	1920 × 1200 Full HD
<b>Brightness</b>	600 ANSI
<b>Front Camera</b>	2 MP
<b>Speaker</b>	Supported
<b>Microphone</b>	Supported

## Communications

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<b>Wifi</b>	Wi-Fi 802.11a/b/g/n/ac 1T1R
<b>Bluetooth</b>	BT 5.0
<b>Ethernet</b>	1000 Mbps Gigabit LAN

## Interfaces

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<b>USB Ports</b>	USB 3.2 ×2
<b>USB Type-C</b>	Type-C ×1
<b>HDMI</b>	HDMI 2.0
<b>Audio Port</b>	3.5 mm Audio Jack ×1

## Power

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<b>Battery Capacity</b>	20.000 mAh Built-in Battery (Swappable)
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## Rugged Case

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<b>Rugged Case</b>	IP67
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## Weight

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<b>Weight</b>	<16.5
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