

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

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

Facial Recognition

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

Iris Recognition

Capture Mode	Auto capture (Both Iris Capture Simultaneously)
Speed	<3 seconds
Image Format	640 × 480 resolution with 8-bit grayscale depth
Iris Image Resolution	VGA (640 x 480)
Illumination	Infrared LED (2 x 810nm LED)
Power	1 USB Bus Powered (DC +5V±5%) (Power Consumption: <2.5W)
Certificates	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
Compliance	UIDAI, MOSIP
Connectivity	USB 2.0
Dimensions	190 x 162 x 70 mm

Credential Reading

Document Reader

MRZ + NFC + Contact + QR

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

Document Scanner

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

Signature Scanner

Display	5 inches
Type	TFT LCD
Platen Size	108*64.8mm
Resolution	800*480 px
Viewing Angle	Horizontal 140°, Vertical 120°
Contrast Ratio	≥ 10:1
Brightness	300 cd/m2
Speed	15ms

Thermal Printer

Format	80mm with auto-cut mechanism
Resolution	203dpi

Tablet

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

Communications

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

Interfaces

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

Power

Battery Capacity	20.000 mAh Built-in Battery (Swappable)
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Rugged Case

Rugged Case	IP67
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Weight

Weight	<16.5
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