

MARKLAND

i-ARK Mini

Biometric Enrollment Kit



Fingerprint Authentication

FBI FAP 50 certified 4-4-2 fingerprint scanner with liveness detection



Facial Recognition

Ensures clear and precise facial recognition



Iris Verification

MOSIP compliant iris recognition module with auto-capture



Signature Capture

5" LCD signature pad for authentication



Document Reader

A4 document reader



Barcode Scanning

Support fast barcode and MRZ scanning



Ultra- Long Life Battery

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



Wireless Communication

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

Biometrics

Fingerprint Recognition

API Interface	Capture single-finger, four-finger direct, single-finger rolls
Liveness detection	Supported
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

Facial Recognition

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

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

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

Document Scanner

Format	A4
Resolution	8 MP
Light Source	Integrated LED Fill Light
Image Format	JPG / MJPNG / YUY2
Minimum Illumination	10 Lux
Recommended Illumination	50–80 Lux
Focus Technology	Auto Focus

Barcode Reader

QR Formats	Support internal 1D/2D scanner
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Computer

Processor	Intel® N100 Quad-Core Processor up to 3.4 GHz
Graphics	Intel® UHD Graphics
Memory (RAM+ROM)	16G+256G
Operating System	Windows 11 Pro
Display	10.1-inch IPS Display
Resolution	1920 × 1200 Full HD
Brightness	600 ANSI

Touch Technology	G+G Multi-Touch
Touch Points	10-Point Capacitive Touch
Front Camera	5 MP
Speaker	Dual 8Ω / 1W Waterproof Speakers
Microphone	Integrated Microphone

Communications

Network	Optional 3G / 4G LTE
Wifi	Wi-Fi 802.11a/b/g/n/ac 1T1R
Bluetooth	BT 5.0
Ethernet	1000 Mbps Gigabit LAN
GPS	Optional GPS + GLONASS + Galileo + Beidou

Interfaces

USB Ports	USB 3.0 ×2
USB Type-C	Type-C ×1
SIM Slot	SIM Card ×1
SD/TF Slot	SD/TF Card ×1
Audio Port	3.5 mm Audio Jack ×1
Serial Port	RS232 ×1
LAN Port	RJ45 ×1

Power

Battery Capacity	20.000 mAh Built-in Battery
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Rugged Case

Rugged Case	IP67
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Weight

Weight	<11
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