MARKLAND

i-Ark

M06

Portable Mobile Workstation

The i-Ark M06 is a mobile workstation that integrates identity information collection and recognition capability. Weighing less than 16.5kg with a compact design and universal wheels, it can be easily hand-carried for boarding, eliminating hassles of baggage check-in. The workstation features a triple- protection casing (Waterproof, Shockproof and Dustproof) and integrated design that significantly reduces transportation costs and risks.

The i-Ark M06 is also a fully functional workstation (not just a storage case!) capable of rapid deployment within 1 minute, allowing seamless transition between operational and mobile states. Its all-in-one solution collects citizens' biometric and transmitting data, functioning even in remote areas without internet or electricity. All components are pre-integrated, with no additional configuration required that greatly improved work efficiency. The swappable battery design extends operational duration.

Primary Applications: Elections, national ID card registration/verification, card issuance, census, refugee registration, KYC, etc.

Configuration Components

- **Fingerprint scanner:** IB four-finger fingerprint scanner integrating flat ten-finger, flat single-finger, and rolling single-finger capture (FBI certified).
- **Document reader:** Combines MRZ reading, NFC technology, ISO7816 compliance, plus QR/bar/PDF417 scanning capabilities.
- **Printer:** Standard 80mm thermal printer.
- **Handwriting screen:** Adopts passive wireless electromagnetic induction technology to replicates paper-like writing experience.
- **Document scanner:** Auto-focus, 8MP resolution with real-time preview.
- **Camera:** Binocular lens design captures simultaneous natural/IR images; features liveness detection, auto-focus, 5MP resolution, wide dynamic range fill light, auto white balance, and color correction.
- **Iris scanner:** CMITECH BMT-20 binoculars-type iris biometric imager.

Parameter		Details
Laptop	Model (optional)	ThinkPad S2
	CPU	R5-7530U
	Display size	13.3 inches
	Display resolution	1920x1080
	Storage	512GB SSD
	Memory	16GB
4-4-2 Fingerprint scanner	Brand	ib
	Model	KJ210DA-E00
	Liveness detection	Supported
	Sensor	TFT
	Resolution	500dpi (FBI and MOSIP certified)
	Supports image formats	JPEG2000, BMP, PNG, WSQ (FBI-approved)
Thermal printers	Label width	80mm
	Print density	203dpi
Camera	Sensor	Binocular
	Resolution	5 MegaPixel
	Autofocus	Supported
	Output format	JPG/MJPG
Document scanner	Scan Format	A4
	Resolution	8 MegaPixel
	Light source	LED fill light
	Output formats	JPG/MJPG/YUY2
	Minimum illumination	10Lux
	Recommended illuminance	50-80Lux
	Autofocus	Supported
Document reader (MRZ + NFC + Contact + QR)	Documents standards	ICAO 9303 Standard Document (TD1/2/3)
	Light source	Near-infrared B900, 860 nm
	Contact smart cards	ISO/IEC 7816 Part 1 to 4s
		ISO 7816 smart card Class A, B, and C
	NFC smart card	ISO/IEC 14443 A&B Part 1 - 4
		ISO14443/ISO18092
	QR code formats	Code 39, Code 32, Code 128, UPC/EAN/JAN, Code 93, Interleaved 2 of 5, Codabar, Matrix 2 of 5, Industrial 2 of 5
		QR Code, Data Matrix, Aztec Code, PDF417
Signature pad	Display size	5 inches
	Display type	TFT LCD
	Screen ratio	16:9
	Valid display area	108*64.8mm
	Resolution	800*480
	Brightness	300 cd/m2
	Response time	15ms
	Viewing angle	Hor. 140D, Ver. 120D, CR≥10
Power supply	Capacity	20000 mAH (Swappable)
Iris scanner	Aperture capture distance	18.4 to 20 pixels/mm
	Aperture image size	640x480 per aperture
	Aperture image standard	ISO/IEC 19794-6
	Light source	Infrared
	Eye care standards	IEC 62471/60825-1
	Certifications	STQC, MOSIP