

MARKLAND

i-Ark Pad

M10A

Handheld Tablet Workstation



The **i-Ark Pad M10A** is a mobile workstation specifically developed to meet the needs of personnel in law enforcement, election, and border control environment. It runs on Android – the operating system most widely used in the world, and is designed with workflow in mind. The M10A integrates biometric recognition, document reading, and QR code scanning functionalities, along with optional Bluetooth or USB printers, making it suitable for any data collection scenario and enabling mobile office operations.

The **i-Ark Pad M10A** combines an ICAO9303-compliant reader with contact smart card reading capabilities, allowing it to read eID cards and e-Passport. It also features a standard four-finger fingerprint scanner and optional iris capture functionality. These features significantly enhance office efficiency, reduce the workload and stress of service personnel, and improve interoperability among various functions, making operations simpler and more efficient.

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

Configuration Components

- **Fingerprint scanner:** IB four-finger fingerprint scanner, integrating flat ten-finger, flat single-finger, and rolled single-finger capture (FBI-certified).
- **Document reader:** MRZ document reading and NFC-enabled document reading.
- **Contact smart card reader:** Supports two ID1-format contact cards for identity verification, authorization, and other applications.
- **QR code reader:** Capable of reading QR code, barcodes, PDF417, and more.
- **Camera:** Dual-camera design (front: 13MP, rear: 13MP) for photo capture, video recording, and document scanning.
- **Printer (Optional):** External Bluetooth or USB printer with print width of 50mm, 80mm, 100mm, or A4.
- **Iris scanner (Optional):** Built-in iris capture module or external iris capture device.

Parameter	Details	
Hardware configuration	CPU	RK3588 Quad-Core Cortex-A76+ Quad-core Cortex-A55
	GPU	Mali-G610 MC4
	Screen size	10.1 inches
	Screen resolution	800×1280 (IPS+HD+300ANSI) (Standrd)
	Storage	128GB SSD
	RAM	8GB
	Cameras	Front: 13 MegaPixel, Rear: 13 MegaPixel
	Speaker/Microphone	Supported
	Operating system	Android
Network configuration	Wi-Fi	FG6252BPRX-02 2T2R 802.11 ax/ac/a/b/g/n Wi-Fi + BT 5.0
	Bluetooth	Bluetooth 5.0
	3G/4G LTE	4G (Optional)
Interface configuration	USB	1 x Type-c 3.1 & 2 x USB3.1
	SD/TF card reader	Supports expansion up to 512GB
	SIM card slot (Optional)	For 3G/4G LTE Communication
	Audio jack	3.5mm standard audio port
	HDMI	Micro HDMI 2.1, supports 8K@60fps video output
	Serial port	DB9 (RS232)
4-4-2 Finger-print scanner	Brand	ib
	Model	Five-0
	Liveness detection	Supported
	Sensor	TFT
	Resolution	500dpi, FBI and MOSIP certified
	Supported image formats	JPEG2000, BMP, PNG, WSQ (FBI-approved)
QR code reader	1D Barcodes	Code 128, EAN-13,EAN-8,Code 39,UPC-A,UPC-E, Codabar, Interleaved 2 of 5, ITF-6,ITF-14,ISBN,Code 93,UCC/EAN-128,GS1 Databar, Matrix 2 of 5, Code 11, Industrial 2 of 5, Standard 2 of 5, Plessey, MSI-Plessey
	2D Barcodes	PDF417, QR Code, Data Matrix
Contact smart card reader	Supported card types	ISO/IEC 7816 compliant smart card chips
	Supported card formats	2 x ID1
	Read/Write speed	Up to 600 kbps, TA1=97
Document reader	Supported document type	ICAO 9303 standard documents (TD1/2/3)
	Light source	Near-Infrared (B900, 860 nm)
	NFC smart card reading	ISO/IEC 14443 A&B Part 1 - 4 ISO14443/ISO18092
Power supply	Battery Capacity	8000mAh
Optional components	Iris scanner	Built-in iris capture module or external CMITECH BMT-20, (binocular-type iris biometric imaging).
	Printer	Bluetooth or USB printer with print width of 50mm, 80mm, 100mm or A4.
	High-brightness display	1200×1920 (IPS+FHD+600ANSI)
	Docking station	USB2.0, power charging, RJ45, RS232
	Network/Positioning	4G, BD2 (BeiDou), GPS
	Portable carrying case	Shockproof, Waterproof and Dustproof

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