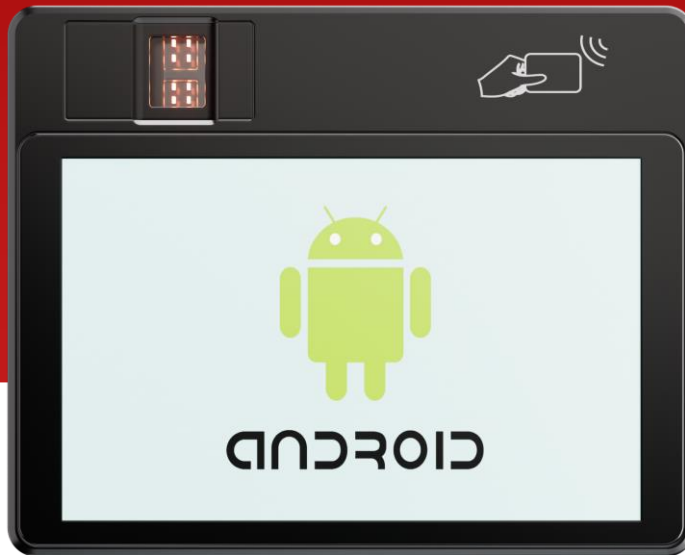# MARKLAND

i-Ark Pad

M11

Handheld Tablet Workstation

The **i-Ark Pad M11** is a compact and lightweight handheld tablet workstation. Designed for ease of use and to fully leverage its built-in multi-application hardware features, this handheld workstation incorporates ergonomic design with an 8-inch (1280 x 800) color touchscreen, offering intuitive operation and a comfortable grip.

The **i-Ark Pad M11** integrated a built-in fingerprint capture module, contact and contactless smart card readers for electronic document verification, and a dedicated MRZ scanning lens for fast and accurate MRZ scanning. It can also be paired with an NFC module to read e-Passport chip information and ICAO 9303 eID data. Optional features such as QR code and iris capture further enhance office efficiency, reduce the workload and stress for service personnel, and improve interoperability among various functions, making operations simpler and more efficient.

Primary Applications: Identity information collection, registration, elections, KYC, and etc...

Configuration Components

- **Fingerprint scanner:**   High performance optical fingerprint module with 500PPI resolution (FBI certified).
- **Contact reader/writer:** Supports all ISO7816-complaint cards and eIDs, enabling identity verification and authorization applications.
- **NFC Reader/Writer:**   Supports all major ISO14443 A/B, FeliCa cards, and NFC-compatible ISO18092 P2P for use with mobile devices and tags.
- **QR code reader:**   Capable of reading QR codes, 1D barcodes, PDF147, and MRZ information.
- **Camera:**   Rear camera for portrait capture, video recording, and document scanning/archiving.
- **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	Cortex-A53 Quad-core 2.0GHz (Standard) or Octa-core 2.2Ghz (Optional)
	Screen size	8 inches
	Screen resolution	1280 x 800 (Standard) or 2180 x 1920 (Optional)
	Storage	16GB (Standard) or 64G, 128GB (Optional)
	RAM	2GB (Standard) or 4GB, 8GB (Optional)
	Cameras	Rear: 5MegaPixel (Standard) or Front 8MegaPixel, Rear 16MegaPixel (Optional)
	Speaker/Microphone	Supported
	Operating system	Andriod 11+
Network configuration	Wi-Fi	802.11ac/b/g/n dual-band (2.4GHz & 5GHz)
	Bluetooth	Dual-mode (Classic & BLE), BLE5.0
	3G/4G LTE	4G
Interface configuration	USB	Type-C x1 (Charging only) Type-A x1 (Standard)
	SD/TF card reader	Supports expansion up to 128GB
	SIM card slot	For 3G/4G LTE Communication
	Microphone	Supported
	Speaker	Supported
	Headphone Jack	Supported
Fingerprint scanner	Sensor	Optical
	Capture mode	Press-type
	Capture Area	16.5 x 21.0 mm
	Image size	300 x 400 pixels
	Resolution	500dpi
	Capture speed	15 fps
QR code reader	1D Codes	Code 128, EAN-13,EAN-8,Code 39,UPC-A,UPC-E, Codabar, Interleaved 2 of 5, ITF-6, ITF-14, lSBN, 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 Codes	PDF417, QR Code, Data Matrix
Contact smart card reader	Supported card types	ISO/IEC 7816 compliant smart card chips
	Supported card formats	ID1
	Read/Write speed	Up to 600 kbps, TA1=97
NFC reader/writer	Standards	ISO/IEC 14443 A&B Part 1-4, ISO/IEC 18092
	Supported chips	MIFARE® Classic, Ultralight, Plus, DESFire, FeliCa™, NFC Forum Tags 1/2/3/4, Lascom
	Read/Write speed	106/212/424/848 kpbs (card-dependent)
Power supply	Battery Capacity	4000mAh
Optional components	Iris scanner	Built-in 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.
	Carrying case	Shockproof, Waterproof and Dustproof