MARKLAND

ID-BOX 121
Multi-function document reader

- Hotel check-in

- Airport passport control

- Self-service terminals

- Bank registration

- Vehicle rental

- Airport duty-free shops

The Model 121 is a novel and feature-rich ID document reader. This device employs the internationally leading MRZ (Machine Readable Zone) technology, equipped with six cameras. It can quickly and accurately read the MRZ machine-readable codes of travel documents such as passports, Home Return Permits for Hong Kong and Macao, Taiwan Compatriot Entry Permits, Homecoming Permits, and Border Resident Certificates, which are designed in accordance with the ICAO DOC 9303 standard set by the International Civil Aviation Organization. Additionally, it supports the recognition of RFID electronic chips in passport-type documents

- Dedicated to ePassports and all identity documents
- Scans MRZ and reads RFID chip without movement
- Supports ICAO & national eID standards
- Fast reading
- Reduced footprint
- USB powered
- Automatic detection

MARKLAND DATA SHEET

ID-BOX 121 Multi-function document reader

Parameter	Details
MRZ Scanner	
Supported Font	OCR B as per ICAO 9303
Supported Standards	Supports ICAO & national eID standards
MRZ Lines	1 line: IDL, CAN, ··· 2 lines: ID2 cards, ePP 3 lines: eID
Card Size	140 x 90 x 105 mm
Contactless reader	
Supported protocols	ISO 14443 Part 1 to 4, type A/B - T=CL and Mifare All Mifare products: Ultralight, 1K, 4K, Plus, DESFire EV1, Smart MX,
Speed	Baud rates up to 848 kbps
Number of antennas	2
Communication	CCID compliant (Windows, MacOS, Linux) Custom CCID library (Android) PC/SC 2.01 compliant (Windows, MacOS, Linux) PC/SC .net wrapper (Windows)
Firmware	Support for RF configuration Path-through command to reach protocol lower layer Field upgradable
Operating Conditions	
Communication interfaces	USB 2.0 full speed (12 Mbps)
Temperature	In operation: 0° C to +50° C Storage: -40° C to +80° C
Resolution	500 ppi
Physical Dimensions (LWH)	140 x 90 x 105 mm
Communication	CCID compliant (Windows, MacOS, Linux) Custom CCID library (Android) PC/SC 2.01 compliant (Windows, MacOS, Linux) PC/SC .net wrapper (Windows)
Supported protocols (Contactless)	ISO 14443 Part 1 to 4, type A/B - T=CL and Mifare All Mifare products: Ultralight, 1K, 4K, Plus, DESFire EV1, Smart MX,
The operating system is supported	Windows, MacOS, Linux, Android
Certifications / Compliance	
Systems/Standards	ICAO 9303 standard
Regulatory/Environmental	CE, RoHS

For more information:
www.mttek.hk
www.markland.com.cn