

M ID-BOX e-ID Card Reader

Multi-function e-ID Card Reader for ICAO 9303 ID-1 Travel Documents check

Support Vietnam National Identity Card

Hỗ trợ Chứng minh nhân dân Việt Nam CCCD



- Innovative and convenient multi-function authentication equipment
- Read MRZ from ICAO 9303 compliant documents of ID-1 size
(National IDs, Resident Permits, etc)
- Single Action - MRZ & RFID chip reading are carried out simultaneously
- One ISO 7816 – compliant Contact Smart Card Reader
- Support ISO 14443 Type A & B contactless ICs at 13.56MHz using PC/SC interface
- Support high-quality fingerprint collection and verification
- Support high-definition real-time photography and video recording
- Support customized shell, color, model, packaging, etc

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Parameter	Details
MRZ Scanner	
Supported Font	OCR-B
Supported Standards	• ICAO compliant travel documents in near infrared (IR) per ICAO 9303 specification Parts 1-4
Supported Documents	• 3 lines MRZ - ID1: eID, Resident Permit...
Card Size	ID-1 card
Contact Smart Card Reader	
Supported Contact Card ICs	All major ISO/IEC 7816 compliant smart cards and synchronous cards
Smart Card Protocols	T=0, T=1, synchronous cards I2C and 3-wire
Smart Card Interface Speed	• Up to 600 kbps (depending on card) • TA1=97
Supported Smart Card Types	5V, 3V, and 1.8V; ISO 7816 smart card Class A, B, and C
Card Size	ID-1
Supported APIs	PC/SC; CT-AP, M-Card API (through wrapper on top of PC/SC)
Contactless/RFID/NFC Reader	
Supported Standards	• ISO/IEC 14443 A&B Part 1 - 4,T=CL; • ISO/IEC 18092 • ICAO DOC 9303
Supported Contactless Card ICs	MIFARE® Classic Family, MIFARE Ultralight Family, MIFARE Plus Family, MIFARE DESFire Family, FeliCa™, NFC Forum Tag types 1/2/3/4
Data Transfer Rate	106/212/424/848 kbits/s, depending on card IC
Supported API	PC/SC
Fingerprint Sensor	
Image Resolution	500 DPI
Image Size	300 * 400 pixels
Effective Sensing Area	15.24 * 20.32 mm
Grayscale image	8-bit, 256 levels of gray
Sensor type	Optical
Camera	
Pixels	5 Mega
Max. Resolution	2592*1944
Image Sensor	CMOS
Operating Conditions	
Power Supply	USB Bus-powered
Dimensions(L x W x H)	149 * 109 * 50 mm (Without Camera)
Weight	300 g ± 5%
Operating Temperature Range	0° to 50° C (32° to 122° F)
Storage Temperature Range	-25° to 85° C (-13° to 185° F)
Operating Humidity Range	Up to 95% RH non-condensing
Connector	1.5m USB cable with USB type A connector
Status Indicator	LEDs
Certifications / Compliance	
Systems/Standards	ICAO DOC 9303, ISO 18013, ISO/IEC 7816, ISO/IEC 14443, USB 2.0 Full Speed, CCID
Regulatory/Environmental	CE, RoHS

*TECHNICAL DATA IS SUBJECT TO CHANGE WITHOUT NOTICE.