

MARKLAND

MID BOX

Next Generation
ID & Document Reader



Fingerprint Authentication

FAP 20 optical fingerprint scanner with fake finger detection



Facial Recognition

Ensures clear and precise facial recognition



MRZ Reading

Integrated with MRZ reader for ID cards and resident permits



Contact & Contactless Card Reading

Equipped with contact card reader and NFC reader

MID BOX

ID & Document Reader



Aviation

Enables fast and secure passenger document verification at check-in and boarding gates using OCR, MRZ, and NFC reading.



Border Management

Supports high-security identity checks by reading travel documents and biometric data for automated and manual border control processes.



Hospitality

Streamlines guest check-in by instantly capturing and verifying ID documents and passport information at hotel reception systems.



FEATURES

Connection Types

 USB 2.0

Technology

 NFC / RFID

 OCR

 Contact Smart Card

[Contact Sales >>>](#)

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Biometrics

Fingerprint Recognition

Format	Optical fingerprint
Capture Mode	Press
Liveness Detection	Supported
Fake Finger Detection	Supported
FBI Certification	FAP 20
Capture Speed	30 fps
Resolution	500 ppi with 256 grayscale dynamic range
Image Size	300 * 400 pixels
Supported Image Formats	RAW, ISO 19794-4 or WSQ (FBI-approved)

Facial Recognition

Sensor	CMOS
Imaging System	5 MP
Max Resolution	2592 x 1944

Credential Reading

NFC Reader

Card Formats	Passports (TD1), Identity Card and Driver Licence (TD3), Visa (TD2)
Standards	• ISO/IEC 14443 A&B Part 1 - 4,T=CL; • ISO/IEC 18092 • ICAO DOC 9303
Speed	Up to 848 kbps, T=CL

Contact Reader

ID Formats	ID-1
ID Types	All major ISO/IEC 7816 compliant smart cards and synchronous cards
Speed	Up to 600 kbps, TA1=97

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ID & Document Reader

MRZ Reader

Documents	ID-1 format eID cards, Residence Permits, and other ICAO-compliant MRZ documents (3-line MRZ)
Standards	ICAO Doc 9303 (Parts 1–4), IR-based MRZ reading
Font Type	OCR -B
Card Type	ID-1

Electronics & Physical

Interface	USB 2.0 CCID
Speed	12 Mbps
Power	USB Type-C
Connection Cable	1.5m USB cable with USB Type-A connector
Dimensions	149 * 109 * 50 mm (without camera)
Weight	300 g ± 5%
Status Indicator	2 LED

Thermal

Temperature	Operating at 0°C to 50°C
Storage	-25° to 80° C
Humidity	Up to 95% RH non-condensing

Certifications

Standards	ISO19794-2, ISO19794-4, NIST imaging, ANSI378, and WSQ;
Certification	FBI PIV-071006,Mobile ID FAP 20 CE, RoHS