

Credential Validation Software



PassCheck for Windows.

For Verification and Validation of Passports and ICAO MRTDs

CardLogix PassCheck™ is a unique software application that instantly reads credential data from the chip, decrypts the data, and then validates the credential's digital signature against published certificates for each country. The software can also authenticate the presenter's identity against the credential by displaying and verifying a biometric modality (e.g. photo, signature, fingerprint, or iris) that is stored in the smart card chip.

Optional optical authentication is available with ID document scanners that contain optical imaging capability, such as the Access-IS OCR640e Document Imager and eMRTD Reader, to verify that the passport or other MRTD is the legitimate ID Credential in its original form. PassCheck also offers optional sanctions lists and PEP (Politically Exposed Person) compliance that meet the demanding requirements of international government regulatory agencies to help organizations fight terrorist activities and money laundering.

PassCheck is available in two fully customizable software versions. PassCheck for Windows™ is offered as a standalone software application that is device independent and compatible with a wide variety of ID document scanners and readers. PassCheck for Unity™ is designed specifically for the Corvus Unity Passport Scanner/Reader which mounts directly on Unity for instant adaption to passport reading with MRZ and NFC capability. Combined, Unity with PassCheck is a complete, handheld capture and verification solution for multimodal biometrics and ID Credentials. The software is easy to use and simple to operate.

PassCheck is designed for fixed locations, multi-device environments, and mobile frontline management of personnel in any setting. Applications include:

- Border control and immigration
- New document issuance (passport, visa, etc.)
- Kiosks and self-service auto eGates
- Airport passenger data capture
- Gaming compliance
- Hotels and car rental registration
- Breeder document verification for ID/DL issuance
- New account enrollment for banks
- ID verification for check cashing

Full support for 2 and 3-Line MRZ decoding and biometric functions built to ANSI 378, ICAO 9303, NISTIR 6529-A, ISO/IEC 19794-2, and ISO/IEC 19794-4 standards:

- Verification against a finger file in the credential (validation)
- Reading and comparison of ANSI 378 and MINEX ICAO compliant templates
- Extraction of raw fingerprint image from a WSQ file with a recreation option for new FMRs
- Extraction and comparison of iris data



PassCheck Options

- PassCheck for Windows (PN 2300003) Standalone Software
- PassCheck for Windows (PN 9700014) Bundle with Access-IS OCR640e Document Imager and eMRTD Reader
- PassCheck for Unity (PN 9700015) Bundle with Unity Passport Scanner/Reader

Optional Software Modules

- Optical Authentication (PN 2500046)Watchlist and PEP Compliance (PN 2500047)

Features and Capabilities		PassCheck for Windows	PassCheck for Unity
Supported Credentials	E-Passports (BAC & EAC)	~	~
	ICAO ID-1 Cards (MRTDs)	~	~
Credential Data Validation	Reading and display of credential data from chip	•	•
	Digital signature validation from issuer country	•	•
Biometric Authentication	Multimodal matching based on capture and verification hardware	•	•
Optical Authentication	Comparison of document scanning to over 3,000 exemplars, including UV and IR	Optional	
Regulatory Compliance	Watchlist and PEP Compliance	Optional	Optional
Supported Readers and Scanners	Unity Passport Scanner/Reader for Unity		•
	Futronic FS88H and HS82HC	>	
	GreenBit DactyScan 84x 10 Finger Livescan	~	
	Access IS OCR640e, OCR601-Mk2, OCR315e, OCR316e with MS, OCR32x, and OCR34x	•	
	Nidec-Sankyo ISI111-0130 MRZ and Magnetic Stripe Reader	•	
	3M CR100 and CR100M Document Readers	•	
	IDENTIV Utrust 4701 and 4710 Contactless Card Readers	•	



Nidec-Sankyo ISI111-0130 MRZ and Magnetic Stripe Reader



Access-IS OCR601-MK2 Passport Scanner



Access-IS OCR640e Passport Scanner



PassCheck on Corvus Unity with Passport Add-On