BIOSID® Pro Mobile Identity Solutions

Handheld Biometric Enrollment and Identity Verification Tablet Device

BIOSID® Pro (Biometric Smart Card Identity) by CardLogix is a family of handheld identity solutions built on a rugged, IP65-rated terminal with robust software featuring smart card read and write functions, multi-modal biometric capture,, MRZ and Barcode reading and a simple, user-friendly interface with enrollment input. The series includes BIOSID Pro Enroll and BIOSID Pro Verify which are sold separately or combined. Each solution is fully customizable.

BIOSID® Pro Enroll enables the instant capture of multiple biometric modalities (fingerprints, iris, faceprints, and signature) and the input of biographical information such as name, date of birth, eye color, and age. It can also read barcode or QR code information or MRZ or secure documents. Users may write the information to the smart card, the device or send over to a cloud server.

BIOSID® Pro Verify features highest reliability identity verification with live 1:1 biometric matching that compares newly captured faceprints, iris, and fingerprints with those secured in the smart card chip or cloud. The solution performs AES-encrypted, challenge-response authentication to validate the smart card, gain access to encrypted data from the chip, and decrypt that data. Biographical data, photo ID, signature, and other digital information are instantly displayed onscreen for visual inspection. The combination of digital authentication, visual inspection and biometric verification reliably ensures that a subject is who he or she claims to be. A barcode / QR Code and MRZ reader can also be used to verify and display the encrypted information.

FEATURES AND BENEFITS

- Enroll and Verify the users Identity from any location with our lightweight, robust handheld mobile device
- Deploy in harsh environments (Waterproof, Dustproof, Shockproof, Drop-Resistant) with IP65 certification
- Stay connected wherever you go via WiFi, GSM (Cellular Services), and Bluetooth
- Capture and Verify multiple biometric modalities: Fingerprints, Iris, Faceprint, Signature
- Verify a person identity reliably via Multi-Factor authentication with 1:1 Biometric Matching
- Display digital cardholder information for Instant Visual Inspection (IVI)
- Write enrollment and verify data to directly to a Smart Card or to a cloud base database
- Use with Contact or Contactless M.O.S.T. Card®, (Customized for JAVA, DesFire, and MiFare Smart Cards)
- Leverage Product and Data Interoperability with idblox® compatibility
- Fingerprint FBI Certified (FAP 20)
- Save Fingerprint (images and templates), Face (photo and template), and Iris (templates) to the cloud
- ISO 19794-5/6 (Face and Iris) standard used with NEUROtechnology licenses
- United States Biometric licenses from RankOne Computing (Face) and Princeton Identity (Iris)
- The BIOSID is offered in English, Spanish and French (Other languages can be translated as requested)
- MRZ, Barcode and QR Code reading / displaying capabilities (need to be customized)

APPLICATIONS

- Driver License Validation and Ticketing
- Multi-Application National and Civil IDs
- Patient IDs with Emergency Medical Records
- Health IT Management
- Enterprise Identity Management
- In the Field Military Identification

- Benefits and Pensions Programs
- VIP Events Ticket Validation
- Border Control
- On the Spot ID Biometric Validation
- School districts Identity Management
- Vote ID Management

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Handheld Biometric Enrollment and Identity Verification

- Refugees Identity Management   - Employee ID Verification

Processor	Octa-Core .1.8 GHz
Memory	4GB DDR RAM, 16 GB eMMC up to 64GB ext TF Card Slot
Device Operating System	Android 9
Display	8", IPS LTPS 1280*800
Smart Card Readers	**Contact** ISO 7816 and **Contactless** ISO14443 Type A/B, MIFARE®, ISO18092-Compliant
Fingerprint Scanner	Optical Single Finger Scanner with LFD, FBI PIV & Mobile ID FAP45 Certified
Iris Scanner	Dedicated (Optional) (Using Princeton Identity for enrollment and validation)
Front Camera	5MP Fixed Focus using Face RankOne technology and Iris using Princeton Identity or NT
Rear Camera	13MP, auto focus using Face RankOne technology and Iris using Princeton Identity or NT
SIM Slots	2 SIMs, 1 SIM+1 SAM (Optional) or 2 SAM (Optional)
Communications	LTE-FDD, LTE, TDD, WCDMA, GPRS, GSM, GPS, WiFi, Bluetooth (4.2), NFC
Reader / Scanner	MRZ, Barcode, or QR Code capable
Peripheral Ports	2 USB 3.0, 1 Mini HDMI, 1 Type-C / USB, 1 DC Charge
Audio	Digital Audio Speaker, Microphone
Power Supply	5V⎓3A / 9V⎓2A
Battery	3.8V/10,000mAh, Li-ion
Dimensions	262(L)×160(W)×30(H)
Certifications, Ratings	CE-Certified, Ingress Protection IP67-Rating, FCC, RoHS
Durability	IP65 Dust-Proof and Waterproof up to 3m. Shockproof and Drop-Resistant from 1.2m on 6 Sides.
Smart Card Support (Software)	CardLogix M.O.S.T. Card® (Contact or Contactless), Customized (Mifare, DesFire, JAVA)
Starting Fields (for Capture, Read, Display and Write-to-Card Functions)	Photo (Portrait), Signature, Fingerprints, Iris (upgradable), First Name, Middle Name, Last Name, ID Number, Unique Cardholder ID, GUID (Optional), Issuing Authority (Agency), Expiration Date, Date of Birth, Sex, Age, Eye Color, and Other Fields per Your Specific Requirements
Biometrics Matching	ANSI-378, ISO-19794 Fingerprints (10), Iris (2) , Faceprints (1) (ISO-19794 5/6 for Face and Iris Optional) with United States licenses or European licenses
Custom Software Options	User Input Fields, Keys, Personalized Layout and Design, Specific Biometric Modalities, GUID Recognition, and More
Custom Smart Card Options	Specialized Card Configurations, Combined Technologies, Card Artwork, Security Graphics, and Programming of Unique Keys and IDs for Use with Solution