

# BIOSID™ Mobile Identity Solutions

Handheld Biometric Enrollment and Identity Verification



**BIOSID Mobile Identity Solutions** by CardLogix is a family of rugged, IP67-rated handheld terminals with robust software featuring smart card read and write functions, multi-modal biometric capture, and a simple, user-friendly interface with enrollment input. The series includes BIOSID Enroll and BIOSID Verify which can be purchased separately or combined. Each solution is fully customizable.

**BIOSID Enroll** enables the instant capture of multiple biometric modalities (fingerprints, iris, signature, and faceprints) and the input of biographical information such as name, date of birth, eye color, and age. Users may write the information to the smart card directly or send it to a remote server over the cloud.

**BIOSID 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. The solution performs AES-encrypted, challenge-response authentication to validate the smart card, gain access to encrypted data from the chip, and then 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.

## FEATURES AND BENEFITS

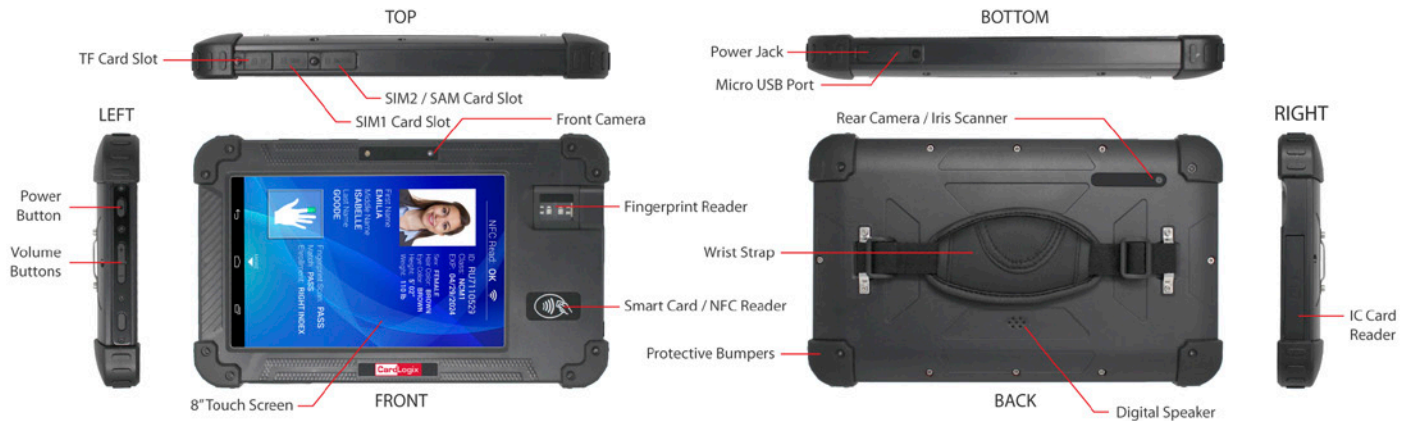
- Enroll and Verify Identity from Any Location with Lightweight, Handheld Mobility
- Deploy in Harsh Environments (Waterproof, Dustproof, Shockproof, Drop-Resistant)
- Stay Connected Wherever You Go via WiFi, GSM Cellular Services, and Bluetooth
- Capture and Verify Multiple Biometric Modalities: Fingerprints, Iris, Faceprint, Signature
- Verify Identity Reliably via Multi-Factor Authentication with 1:1 Biometric Matching
- Display Digital Cardholder Information for Instant Visual Inspection
- Write Enrollment Data to Smart Card Directly or Send to Remote Location
- Use with Contact or Contactless M.OS.T. Card® Microprocessor Smart Cards
- Leverage Product and Data Interoperability with idblox® Ecosystem Compatibility
- Get Started Today or Receive a Custom Version Built to Your Specific Requirements

## APPLICATIONS

- Driver License Validation and Ticketing
- Multi-Application National and Civil IDs
- Patient IDs with Emergency Medical Records
- Healthcare Identity Management
- Enterprise Identity Management
- School Districts Identity Management
- In-the-Field Military Identification
- Benefits and Pensions Programs
- Refugees Identity Management
- Concealed Weapons Permits
- Voter ID Management
- VIP Events Ticket Validation
- Border Control

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## SPECIFICATIONS

Processor	A7, Quad-Core 1.1 GHz or Above
Memory	1GB RAM, 8GB FLASH, Ext. TF(Micro SD) Card; 2GB RAM, 16GB FLASH
Device Operating System	Android 7.1 and Above
Display	8", TFT, 1280x800
Smart Card Readers	Contact ISO 7816 and Contactless ISO14443 Type A/B, MIFARE®, ISO18092-Compliant
Fingerprint Scanner	ANSI/INCITS 378, ISO/IEC 19794-2, ISO/IEC 19794-4
Iris Scanner	2MP Sensor for ISO 19794-6 Image Formats. Iris Scanner may Replace Front or Rear Camera
Front Camera	2MP Fixed Focus, 5MP Autofocus (Optional)
Rear Camera	8MP Autofocus (Barcode Software Decoding)
SIM Slots	2 SIMs, 1 SIM+1 SAM (Optional)
Communications	LTE, WCDMA, GPRS, WiFi, Bluetooth, NFC
GPS	Built-in
Peripheral Ports	1 Micro USB, 1 DC Charge
Audio	Digital Audio Speaker, Microphone
Power Supply	5V/2A
Battery	3.8V/8540mAh, Li-ion
Dimensions	262(L)×160(W)×30(H)
Certifications, Ratings	CE-Certified, Ingress Protection IP67-Rating
Durability	IP67-Rated 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® Microprocessor Smart Cards (Contact or Contactless)
Starting Fields (For Capture, Read, Display and Write-to-Card Functions)	Photo (Portrait), Signature, Fingerprints, Iris (Optional Upgrade), 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 Any Other Fields per Your Specific Requirements
Biometrics Matching	ANSI-378, ISO-19794 Fingerprints (10), Iris, and Faceprints
Custom Software Options	Specialized User Input Fields, Encryption and Authentication Keys, Personalized Layout and Designs, Specific Biometric Modalities, and Additional Features as Needed
Custom Smart Card Options	Specialized Card Configurations, Combined Technologies, Card Artwork, Security Graphics, and Programming of Unique Keys and IDs for Use with Solution