



Enabling Efficient & Easy Registration of Biometrics for ATMs

EasyReg

Biometrics Registration Kit

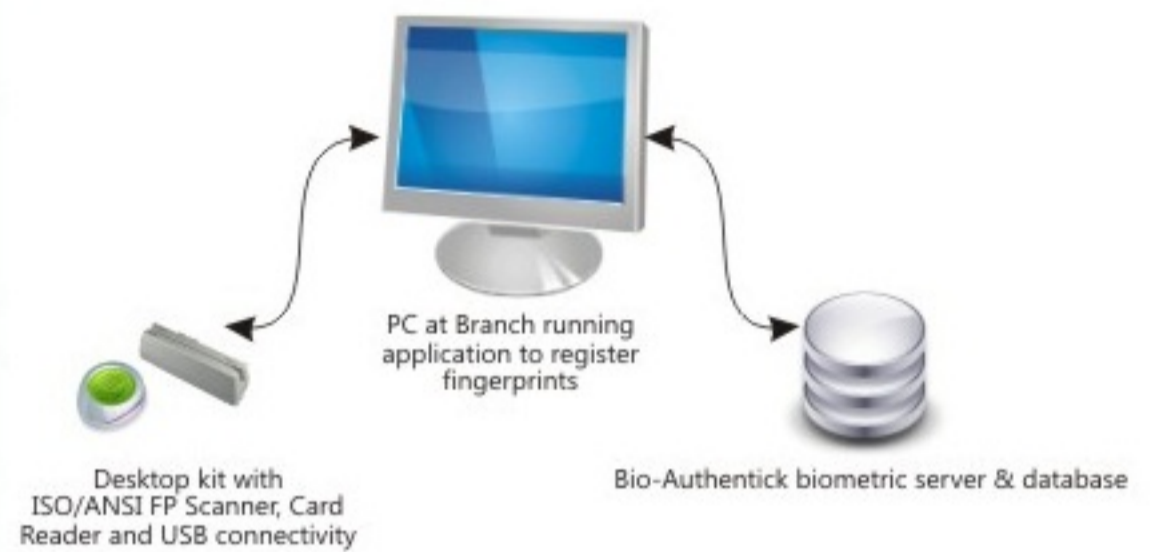
Further enhancing the user friendly features of Gramateller ATMs, EasyReg is a Desktop kit connected to PC and is used to register fingerprints for ATM authentication.

- **Cost Effective**
- **Scalable**
- **Secure**

Technical Specifications

Biometric Governing Standard	: ISO/IEC 19594-4-Biometric data interchange formats - Part 4: Finger image data used for registration.
Biometric Scanner	: High Performance optical fingerprint sensor, Scratch free sensor surface, 16 x 18 mm sensing area.
Biometric Registration Image quality	: Raw images - 500Dpi, 256Gray, Image size 288x288 pixel, Register a maximum for 10 finger print images / person.
Card reader	: Magnetic card reader, Track1 and Track2 read.
Web Cam	: Optional camera to capture the user during registration
PC Application	
User interface	: Admin access through local User ID/ Password, Swipe customer card, Choose Finger to be registered, scan image, Test image quality, Repeat for 9 more fingers, repeats scanning in case of lesser quality, Displays finger image. Optional Print receipt for Registration transaction, printer provided by Bank. Admin can set higher Quality level, Terminal Master Key for image encryption, Biometric server IP address etc.
Registration mode	: Online mode - Uploads the images to Biometric server immediately. Bulk mode (optional) collects registration images in a local database and performs updates to Biometric server at desired periods. Bulk mode does a transfer of Image payload to Biometric server, followed by template extraction and upload to database.
Protocol interface	: Uses ISO 8583 messaging with Biometric server for: Logon/ off, Echo messages Registration request - 3DES encrypted images, single/ Bulk mode.
OS Requirement	: Windows XP/ Vista
Hardware interface	: Needs USB interface to PC

Registration through Desktop Terminal connected to PC via USB



Architecture of Desktop Fingerprint Registration System

EasyReg is a Desktop kit connected to PC is used to register Fingerprints

- The PC application provides the UI to collect the Finger Print images, extract templates & uploads them to Bio- Authentick.
- Multiple Easy Reg kits can be simultaneously connected to Bio-Authentic
- Two modes of upload - Real Time & Batch Mode (optional)
- Alternate to registering fingerprints at the ATM



Screenshot of EasyReg Desktop Software

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