



Enabling Reliable ATM Biometric Authentication

Bio-Authentick

Biometric Authentication
Server Software

Further enhancing the user friendly features of Gramateller ATMs, Vortex's Biometric Server Software helps increase security as well as address limitations of PIN based verification. While the ATMs come standard with fingerprint scanners compatible with all major standards, the Biometric Server Software - Bio-Authentick provides a state of the art fingerprint authentication solution for ATMs.

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

Bio-Authentick

Technical Specifications

| | |
|--|---|
| Biometric Governing Standard | : Interoperable template format ISO/IEC 19794-2, ANSI 378 |
| Biometric algorithm | : World's best performing fingerprint algorithm from Suprema: Top results in NIST MINEX tests and FVC2004/2006 Multi-threaded code design fully utilizing multi-core CPU power |
| Biometric Registration Image quality | : Raw images - 500Dpi, 256Gray, Image size 288x288 pixel, Register a maximum for 10 finger print images / person. |
| Biometric storage format | : ISO/ANSI; 10 fingers/person |
| Transport format | : Industry standard transaction messages from ATM to Switch Authentication request messages from EFT Switch to Biometric server Registration requests from Desktop terminal to Biometric server in ISO8583 format |
| Data storage mechanism | : Database: My SQL or Oracle, 100000 records Scalability options available |
| Transaction encryption (network transport) | : Triple DES - Use Terminal Master Key, encrypt full template |
| Storage encryption | : DES - Use Database Master Key for the entire DB |
| Server OS platform | : Windows 2000/ XP |
| Server H/W Specifications | : Available on request |

Salient Features

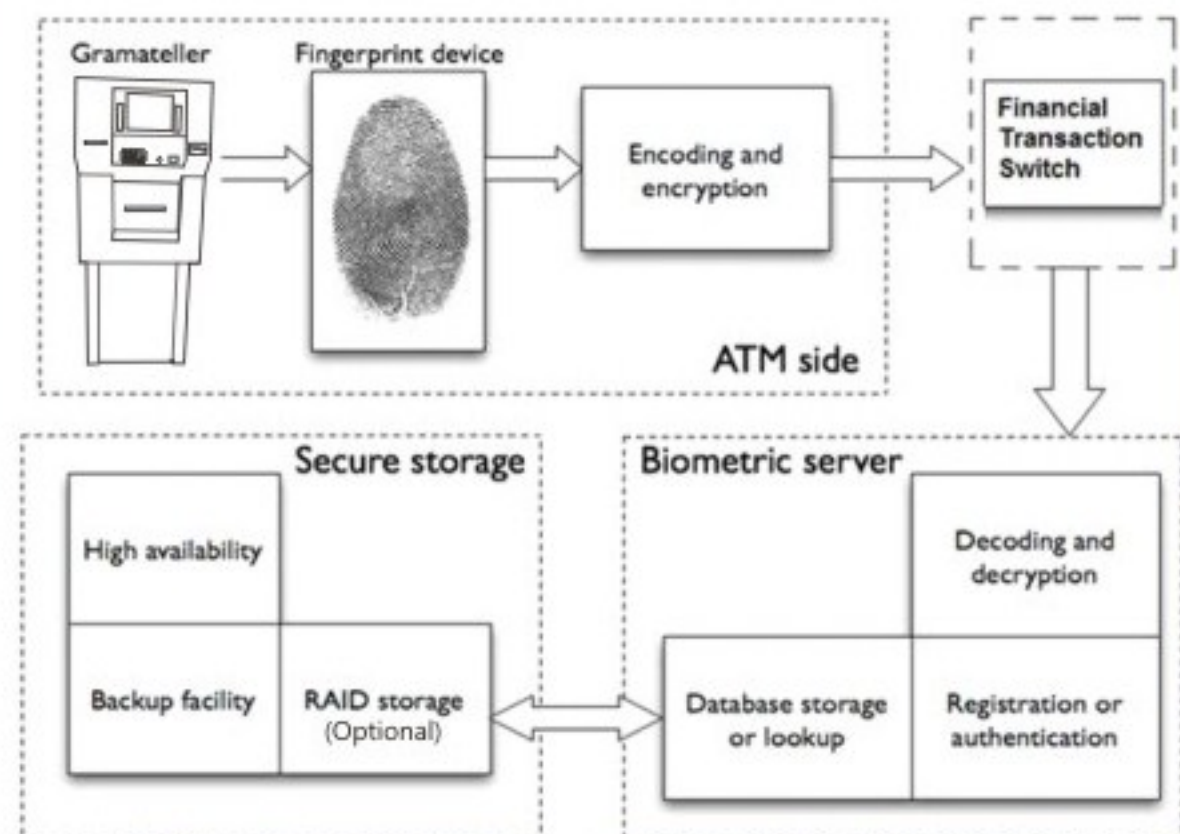
- Secure, behind the switch configuration
- Optional configuration in parallel with switch
- Built on world's best performing fingerprint algorithm

Server Software functionalities

- Registration of fingerprints & storing the images securely
- Ability to register all ten fingerprints per person and use any finger for authentication
- Optional bulk mode registration upload

Solution Components

- Fingerprint server software - Bio-Authentick
- Desktop registration kit + Software - Easy Reg
- ATM-side registration software - Additional ability to register fingerprints at ATM



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