MFS100

OPTICAL FINGERPRINT SENSOR

INDIGINIOUS
BIOMETRICS INNOVATION

MFS100 is high quality USB fingerprint sensor for fingerprint authentication for desktop or network security. MFS100 is based on optical sensing technology which efficiently recognizes poor quality fingerprints also. MFS100 can be used for authentication, identification and verification functions that let your fingerprint act like digital passwords that cannot be lost, forgotten or stolen. Hard optical sensor is resistant to scratches, impact, vibration and electrostatic shock.

- PC/Network security
- E-commerce
- Groupware

- Time and attendance system
- Smart card application
- Public application

- AFIS
- Health and Medical
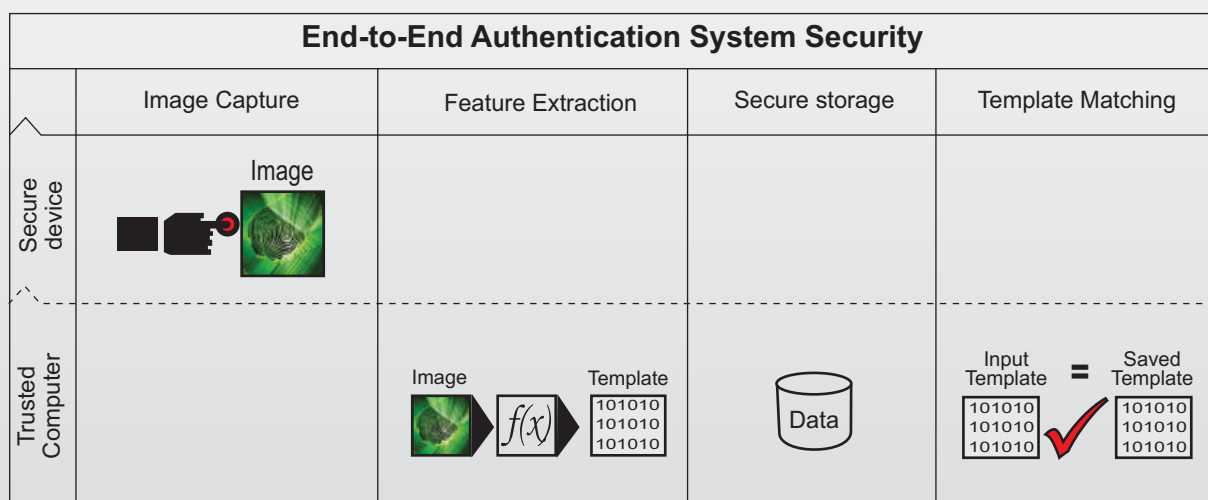- UIDAI Auth Application

Digital India Initiative

FEATURES

- Lowest FAR and FRR
- Support Aadhar Auth API Specification V2.0
- Device Securely Sign The Biometric Data
- UIDAI Certified RD Service & PID block Encrypted with in RD Service
- Plug and play USB 2.0 high speed interface supports multiple devices handling
- 500 dpi optical fingerprint sensor scratch free sensor surface
- Supports Windows 7,8,10, Windows Vista, Windows 2000,Windows Server 2003/2007/2008, Linux, Windows ME, Windows 98 SE SDK, Libraries and Drivers support across all above Platforms. (32 Bit and 64Bit) Easy Integration on to production servers and application support

SPECIFICATIONS

- Fingerprint Sensor Optical (scratch free sensor surface)
- Resolution 500 DPI / 256 gray
- Sensing Area 15 x 17 mm
- Operation Temperature 0~50°C
- Standards ANSI-378, ISO19794-2

- Supports Encryption algorithms AES256, RSA2048
- Supports HASHing algorithms MD5, SHA256
- Physical Unique Device ID
- Interface USB 2.0 High speed/Full speed, Plug & Play
- CE, FCC, RoHS, IEC60950 Certified

End-to-End Authentication System Security				
	Image Capture	Feature Extraction	Secure storage	Template Matching
Secure device	Image			
Trusted Computer		Image → $f(x)$ → Template 101010 101010 101010	Data	Input Template 101010 101010 101010 = Saved Template 101010 101010 101010