




## Benefits

- Compact device
- Convenient to carry
- Easy-to-handle
- Simple to operate

## Features

- |   |   |  |
|---|---|--|
|  Scratch free Sensor Surface        |  High speed USB 2.0 interface with secured communication |  MINEX Compliance Extractor         |
|  Auto Finger Detection              |  Lower FAR and FRR                                       |  500 DPI optical fingerprint sensor |
|  Supports Windows Operating Systems |  Supports Android Operating Systems                      |  Supports Linux Operating Systems   |

# Optical Fingerprint Scanner

## MFS110



MFS110 is an elegant fingerprint device used for identification, verification & authentication processes of an individual. MFS110 offers secured biometrics data, error-free and reliable identification based on unique fingerprint biometric technology. It is fast & easy-to-use. It can be used as an alternative or a complement to those hard-to-remember passwords.

## At a Glance

### Sensor Characteristics

Parameters	Specification
Fingerprint Sensor Type	: Optical Sensor
Spatial Resolution	: 500 DPI +/- 2%
Platen Area	: 14.0 mm x 17.0 mm
Image size	: 276 x 336 Pixels
Image Grayscale	: 256 (8 - Bit Gray Level)
Light Source	: Red LED
Maximum Acquisition time (Placement to Template)	: < 2 Sec
Approx. Dimension (L x W x H)	: 61(L) x 91(W) x 54(H) mm
Approx. Weight	: 0.140 kg
Capture mode	: Auto capture with built-in quality check (incorporates NIST quality considerations)

### Security

Parameters	Specification
Crypto operation	: Hardware base RSA2048 Key Generation, AES-GCM-256, SHA-256, TRNG support
Secure Memory	: TEE support by the device. Secure memory support key wrapping feature
Secure Boot	: Secure boot support by the device

### Electrical

Parameters	Specification
Operating Voltage	: 5V +/- 5% (USB Powered Device)
Operating Current	: <90 mA
Stand by Current	: 50 mA
Interface	: USB 2.0

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### Environmental

Parameters	Specification
Operating Temperature	: 0 to 50 °C
Storage Temperature	: 0 to 50 °C
Humidity (Operating / Storage)	: < 90% RH, Non-condensing

### Compliant to Following Standard

Parameters	Specification
Biometric Data Interchange Format	: ISO 19794-2 for minutiae & ISO 19794-4 for Image Template in Encrypted PID Data Block
Environmental, Health and Safety	: RoHS
Safety	: EN/IEC 62368-1, IS 13252 (Part 1)
EMI / EMC Compliance	: CE, FCC Part 15B
Image Quality Compliance	: FBI PIV*, STQC*
IP Rating	: IP54
Device Driver	: WHQL certified
Operating System	: Windows x86 & x64, Linux, Android

\* Certification under process