

Optical Fingerprint Scanner

Model : MFS100 V2 | OEM Module / Sensor : MOPv1.2

MANTRA

Benefits

- Handy device
- Convenient to use
- Easy-to-handle
- Simple to operate
- Error-free



Features



Device securely sign the biometric data



Support Aadhaar auth API specification V2.0



Lower FAR and FRR



500 DPI optical fingerprint sensor



STQC/Aadhaar certified fingerprint sensor



High speed USB 2.0 interface with plug and play



Supports Window , Android & Linux System



Scratch free sensor surface



MINEX Compliance Extractor (Certification Applied)

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MFS100 V2 is an elegant fingerprint device used for identification, verification and authentication processes of an individual. MFS100 V2 offers secure, 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 Scratch-Free Sensor
Spatial Resolution	: 500 DPI +/-2%
Platen Size	: 16.4 mm x 20.0 mm
Sensing Area	: 15 mm x 18 mm
Image Size	: 296 x 354 Pixels
Image Grayscale	: 256 (8 - Bit Gray Level)
Maximum Acquisition Time (Placement to Template)	: < 2 sec
Light Source	: RED LED
Approx Dimensions (L x W x H)	: 91 x 61 x 54 mm (Module: 28.5 x 23 x 62 mm)
Approx Weight	: 0.141 Kg (Module : 0.025 Kg)
Capture mode	: Auto capture with built-in quality check (incorporates NIST quality considerations)

Electrical Characteristics

Parameters	Specification
Operating Voltage	: 5V +/- 5% (USB Powered Device)
Operating Current	: <= 100 mA
Stand by Current	: <= 37 mA
Interface	: USB 2.0

Environmental Characteristics

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, ISO 19794-4, ANSI 378, WSQ3.1, JPEG2000
Environmental, Health and Safety	: RoHS
BIS	: IS 13252 (Part 1)
Safety	: EN / IEC 60950
EMI / EMC Compliance	: CE & FCC Part 15 B class A
Image Quality Performance	: FBI PIV Certification
*STQC Certification	: Compliance
IP Rating	: IP54
Device Driver	: WHQL Certified with Unique Serial Number
Operating System	: Windows x86 & x64, Linux, Android

*Applied for certification