

Optical Fingerprint Scanner

Model : MFS500 LX | OEM Module / Sensor : MOPv3.0

MANTRA

Benefits

- High speed interface
- Rapid capturing
- Easy to use
- Easy to integrate
- High accuracy rate



Features



High speed USB 2.0 interface with plug and play



Lowest FAR and FRR



500 DPI optical fingerprint sensor



Device securely sign the biometric data



Scratch free sensor surface



Supports multiple devices



MINEX compliance embedded extractor

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Mantra's MFS500 LX is a biometric fingerprint scanner with high durability that ensures robustness and enhanced security, widely employed for identification & authentication of individuals. The device is MINEX compliance embedded extractor. MFS500 LX is a safe and convenient device that lets the fingerprint act as a password.

At a Glance

Sensor Characteristics

Parameters	Specification
Fingerprint Sensor	: Optical Scratch Free Sensor
Image Resolution	: 500 DPI
Platen size	: 16.4 mm x 20.0 mm
Active Platen size	: 15 mm x 18 mm
Image Size	: 296 x 354 Pixels
Image Grayscale	: 256 (8 - Bit Gray Level)
Light Source	: RED LED
Approx Dimensions (L x W x H)	: 85 x 51 x 54 mm
Approx Weight	: 0.125 Kg

Electrical Characteristics

Parameters	Specification
Operating Voltage	: 5V +/- 5% (USB Powered Device)
Operating Current (max)	: 81 mA
Stand by Current (max)	: 45 mA
Interface	: USB 2.0 (Std/OTG Supported) & Serial TTL

Environmental Characteristics

Parameters	Specification
Operating Temperature	: 0 to 45 degC
Storage Temperature	: 0 to 50 degC
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
Environmental, Health and Safety	: RoHS Certification
BIS	: IS 13252 (Part 1)
Safety	: IEC60950
EMI / EMC Compliance	: CE & FCC Class A
*STQC Certification	: Yes
IP Rating	: IP54
Device Driver	: WHQL Certified
OS Supports	: Window x86 & x64, Linux, Android

*Applied for certification