

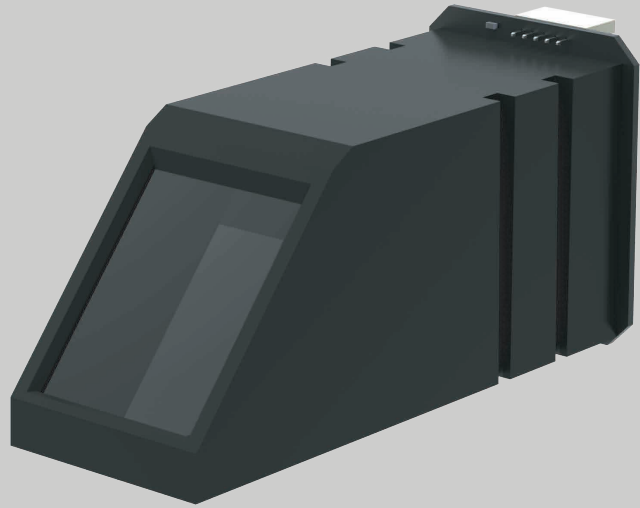
Optical Fingerprint Scanner

Model : MFS500 | Module : MOPv2.0

MANTRA

Benefits

- Easy to integrate
- Offers high accuracy
- Easy to use
- Rapid capturing
- High speed interface



Features



Supports multiple devices



Scratch free sensor surface



Device securely sign the biometric data



High speed USB 2.0 interface with plug and play



Support Aadhaar auth API specification V2.0



Lowest FAR and FRR



500 DPI optical fingerprint sensor



STQC/Aadhaar certified fingerprint sensor

Optical Fingerprint Scanner

Model : MFS500 | Module : MOPv2.0



MFS500 is a high-quality fingerprint scanner utilized for accurate fingerprint authentication process. MFS500 is devised with an optical scratch free sensor for efficient recognition of poor quality fingerprint. MFS500 can be used for the process of identification, verification and authentication that captures the fingerprint images in a faster and reliable manner.

At a Glance

Sensor Characteristics

| Parameters | Specification |
|-------------------------------|-------------------------------|
| Fingerprint Sensor | : Optical Scratch Free Sensor |
| Image Resolution | : 500 DPI +/-2% |
| 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) | : 61 x 23 x 28.5 |
| Approx Weight | : 0.026 Kg |

Electrical Characteristics

| Parameters | Specification |
|-------------------------|----------------------------------|
| Operating Voltage | : 5V +/- 5% (USB Powered Device) |
| Operating Current (max) | : 80 mA |
| Stand by Current (max) | : 40 mA |
| Interface | : USB 2.0 (Std/OTG Supported) |

Environmental Characteristics

| Parameters | Specification |
|--------------------------------|----------------------------|
| Operating Temperature | : 0 to 50 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 with Unique Serial Number |
| OS Supports | : Window x86 & x64, Linux, Android |

*Applied for certification