

MFS500

Optical Finger Scanner

Mantra Softech is a Global Hi-Tech Manufacturer of Biometric Products and Solutions. We offer a Wide Range of Products in Biometric and RFID Industry.



Operating Systems



USB 2.0



Fingerprint Scanner



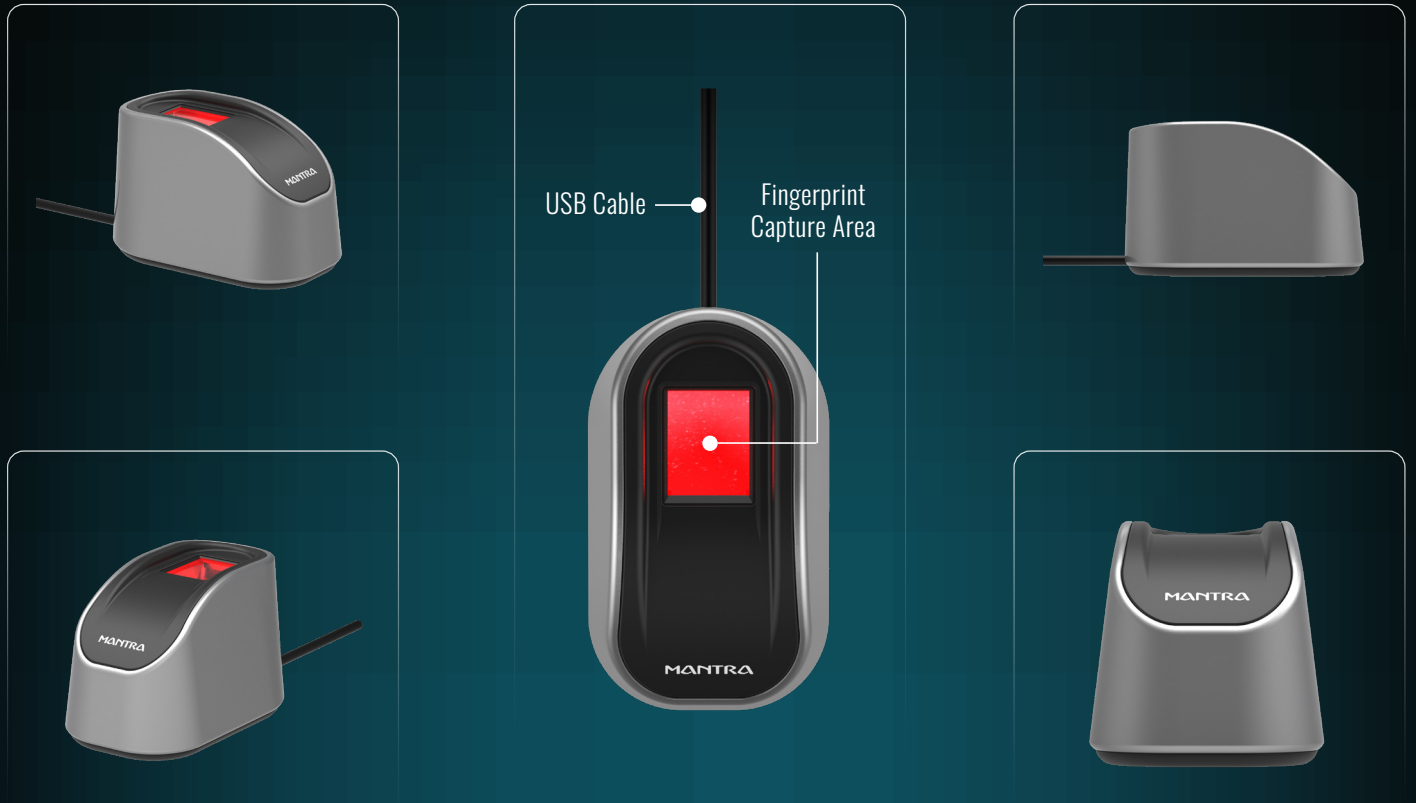
Lower FAR & FRR



FBI PIV Certified



Portable Biometric Fingerprint Device



Introduction

The MFS500 is a robust fingerprint scanner designed for accurate fingerprint authentication. It features an optical, scratch-free sensor that efficiently recognizes poor-quality and fake fingerprints. As a FAP10-compliant device, the MFS500 is suitable for identification, verification, and authentication processes, capturing fingerprint images quickly and reliably.

Benefits



Easy to integrate



Offers high accuracy



Easier and faster to use



FBI PIV Certification
Mobile-ID FAP10



USB 2.0 interface

Features



Scratch Free
Sensor Surface



High speed USB 2.0
interface with plug and play



MINEX
Caompliance Extractor



Auto Finger Detection



Support 180 Degree
Rotation Authentication



Latent Finger Detection



Lowest FAR and FRR



500 DPI Optical
Fingerprint Sensor



Support Windows,
Android & Linux system



High-Quality
Fingerprint Acquisition

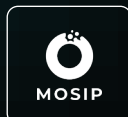
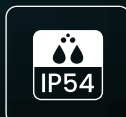
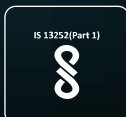
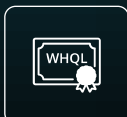


Spoof Detection



WHQL Certified with
Unique Serial Number

Certification



Technical Specification

Sensor Characteristics

Fingerprint Sensor	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)
Light Source	RED LED
Maximum Acquisition time (Placement to Template)	< 2 Sec
Approx Dimensions (L x W x H)	85 x 51 x 54 mm (Module: 61 x 23 x 28.5 mm)
Approx Weight	0.123 Kg (Module : 0.025 Kg)
Modo de captura	Automatic finger detection and automatic capture functionality with built-in quality control (incorporates NIST quality considerations)

Electrical Characteristics

Operating Voltage	5V +/- 5% (USB Powered Device)
Operating Current (max)	<= 85 mA
Stand by Current (max)	<= 40 mA
Interface	USB 2.0

Environmental Characteristics

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

Compliant to Following Standard

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 15B class A
Image Quality	FBI PIV Certification, Mobile-ID FAPI0
IP Rating	IP54
Device Driver	WHQL certified with unique serial number
Operating System	Windows x86 & x64, Linux, Android

MANTRA

Innovation that counts



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