MFS500LX

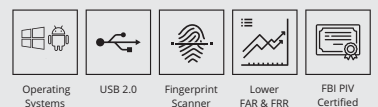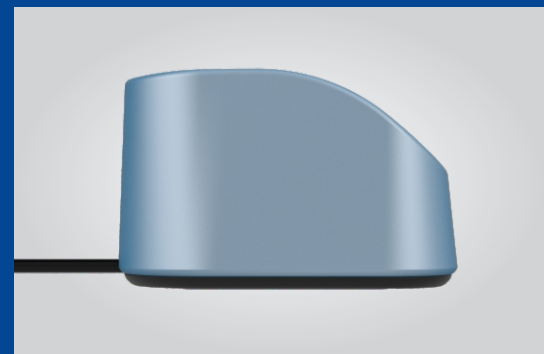## Optical Fingerprint Scanner

Integrated with MOSIP

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

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USB Cable

Fingerprint Capture Area

Introduction

MFS500 LX is a fingerprint scanner with high durability that ensures robustness. MFS500 LX is MINEX compliance embedded extractor fingerprint device. The device offers precise and rapid verification, authentication and authorization processes. MFS500 LX is a safe and convenient device that lets the fingerprint act as a password.

Benefits

- Easy to integrate
- Offers high accuracy
- Easier and faster to use
- FBI PIV Certification
- USB 2.0 interface

Features

- Scratch free sensor surface
- High speed USB 2.0 interface with plug and play
- MINEX Compliance embedded extractor
- Auto Finger Detection
- Support 180 Degree rotation authentication
- Latent Finger Detection
- Lowest FAR and FRR
- 500 DPI optical fingerprint sensor
- Support Windows , Android

Certification

CE | RoHS | FC

MANTRA

At a Glance

Sensor Characteristics	Fingerprint Sensor Type	: Optical Scratch-free Sensor
	Spatial Resolution	: 500 DPI +/- 2%
	Spatial Resolution	: 16.4 mm x 20.0 mm
	Sensing Area	: 15 mm x 18 mm
	Sensing Area	: 296 x 354 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)	: 85.4 mm x 51.3 mm x 54.5 mm
	Approx. Weight	: 0.125Kg (Approximately)
	Cap touch	: External Captouch to capture event triggers
	Capture mode	: Auto Finger detection functionality & Auto capture with built-in quality check(incorporates NIST quality considerations)
Security	Crypto opreation	: Hardware base AESB, AES, SHA-256, TRNG support.
	Secure Memory	: Hardware security module protected 5KB secure memory which also tamper protected.
	Boot	: Secure boot support by the device
Electrical	Operating Voltage	: 5V +/- 5% (USB Powered Device)
	Operating Current	: <200 mA
	Stand by Current	: 130 mA (Approximately)
	Interface	: USB 2.0
Environmental	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 19794-4 for Image Template (WSQ3.1, JPEG2000)
	Environmental, Health and Safety	: RoHS
	Safety	: EN/IEC 60950
	*EMI / EMC Compliance	: CE & FCC Part 15B class A
	Image Quality	: FBI PIV Compliance
	IP Rating	: IP54
	Device Driver	: WHQL certified with unique serial number
	Operating System	: Windows, Android
	SDK Support	: MOSIP Compatible

*Applied for certification

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Support : servico@mantratec.com

Sales : sales@mantratec.com