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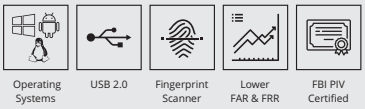


MFS500 MX

Optical Fingerprint Scanner

Integrated with MOSIP

Mantra Identity MFS500 MX features a rock-solid design with special scratch-proof glass that captures perfect fingerprints every time and works flawlessly even in the toughest conditions.

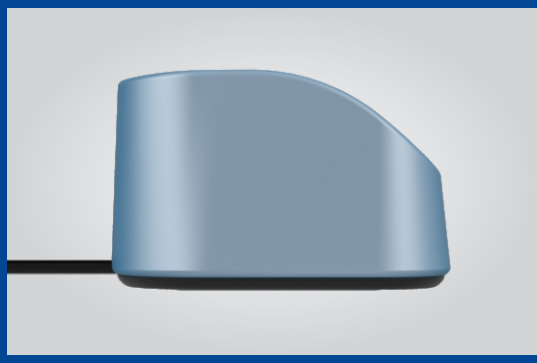


www.mantratec.com

PORTABLE BIOMETRIC FINGERPRINT DEVICE











Introduction

MFS500 MX is a fingerprint scanner with high durability that ensures robustness. MFS500 MX is MINEX compliance embedded extractor fingerprint device. The device offers precise and rapid verification, authentication and authorization processes. MFS500 MX 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 Certified
- High Speed 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, Linux

Certification

CE RoHS FC IEC IS 13252(Part 1)

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At a Glance

Sensor Characteristics	Fingerprint Sensor Type	: 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. Dimension (L x W x H)	: 85mm x 51mm x 54mm
	Approx. Weight	: 0.125Kg
	Capture mode	: Auto Finger detection functionality & Auto capture with built-in quality check(incorporates NIST quality considerations)
Security	Crypto Operation	: Hardware base, AES-256, SHA-256, RSA-2048.
	Secure Memory	: On-board secure memory with TEE, SEE & support key wrapping feature.
	Boot	: Secure boot support by the device
	OTA Capability	: Encrypted communication (HTTPS / TLS 1.2 or higher). Verification using cryptography (RSA-2048 / ECC-256)
Electrical	Operating Voltage	: 5V +/- 5% (USB Powered Device)
	Operating Current	: <200 mA
	Stand by Current	: 130 mA (Approximately)
	Interface	: USB 2.0 (High Speed)
Environmental	Operating Temperature	: -10 to 50 °C
	Storage Temperature	: -10 to 50 °C
	Humidity (Operating / Storage)	: < 90% RH, Non-condensing
Compliant to Following Standard	Biometric Data Interchange Format	: ISO 19794-4 : 2005 & 2011 Image Template (WSQ3.1, JPEG2000)
	Environmental, Health and Safety	: RoHS
	Safety	: EN/IEC 62368-1, IS 13252 (Part 1)
	EMI / EMC Compliance	: CE & FCC Part 15B class A
	Image Quality	: FBI PIV Certified
	IP Rating	: IP54
	Device Driver	: WHQL certified with unique serial number
	Operating System	: Windows, Android, Linux
	SDK Support	: MOSIP Compliant SBI Service

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