MANTRA

Innovation that counts

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

www.mantratec.com

PORTABLE BIOMETRIC FINGERPRINT DEVICE

introduction

MFS500 is a high-quality fingerprint scanner for accurate fingerprint authentication process. MFS500 is devised with an optical scratch free sensor for efficient recognition of poor quality fingerprint. MFS500 is FAP10 compliant fingerprint device and can be used for the process of identification, verification and authentication that captures the fingerprint images in a faster and reliable manner.

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 Compliance 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

MANTRA

At a Glance

Sensor Characteristics	Fingerprint Sensor	: Optical Scratch-free Sensor
	CMOS sensor	: 1 MP
	Spatial Resolution	: 490 PPI to 510 PPI
	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)
	Capture mode	: Auto Finger detection functionality & Auto capture with built-in quality check (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 FAP10
	IP Rating	: IP54
	Device Driver	: WHQL certified with unique serial number
	Operating System	: Windows x86 & x64, Linux, Android

Certification

CE RoHS FC IEC IS 13252(Part 1)

MANTRA

www.mantratec.com

MANTRA
www.mantratec.com

Support : servico@mantratec.com
Sales : sales@mantratec.com

Copyrights 2020 Mantra Softech (India) Pvt Ltd. All Rights Reserved.