

# Menroll100

## Portable Enrollment Fingerprint Device

Menroll100 is a mobile multi fingerprint scanner with an intuitive ergonomic design. The fingerprint reader is suitable for use in various sectors and applications as it is compact and powered by sophisticated biometric technology from Mantra Softech.

Mantra Softech is a Global Hi-Tech Manufacturer of Biometric Products and Solutions



Android OS



10 Finger Capture



Camera



3G / 4G



Inbuilt WiFi



LAN





# Introduction

The Menroll100 is an FAP 50 certified fingerprint scanner built for the toughest and most challenging identity management projects. The portable unit's ARM Cortex A53 @1.3GHz Quad Core Processor, 2GB RAM, 32GB flash memory and long battery life make it ideal for remote and all possible large-scale identity management applications.

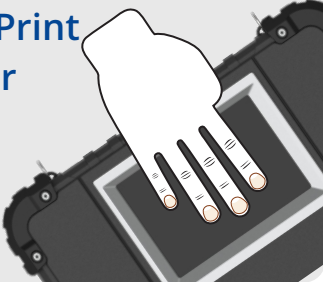
The Menroll100 employs the most advanced optical/LES technology that allows high-speed fingerprint image capturing and seamless image processing, ensuring the best image quality for slap fingerprints. And it features a state-of-the-art, scratch-resistant touch screen interface powered by Android OS.

This device is an absolutely ideal choice for all your civil, criminal identification, and border security applications, such as voter registration, national ID enrollment, applicant background checks, airport security, etc.

# Main Features


 **IP65**  
Compliance

**FAP 50  
Finger Print  
Scanner**



  
8MP AF camera with  
High brightness Flash LED

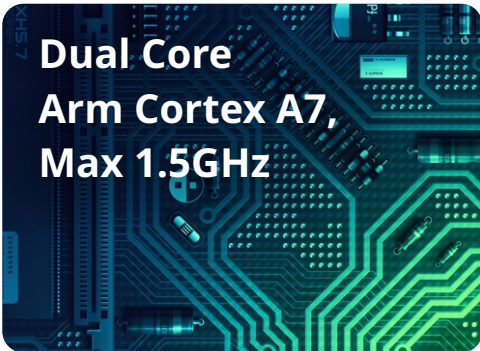
**Compliance**

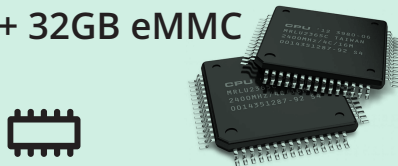
  
**Android 10**

**FBI** **FBI PIV Certified**  
**BIOMETRIC** **Image Quality**  
CENTER OF EXCELLENCE

**Dual Core  
Arm Cortex A7,  
Max 1.5GHz**



**2GB RAM  
+ 32GB eMMC**



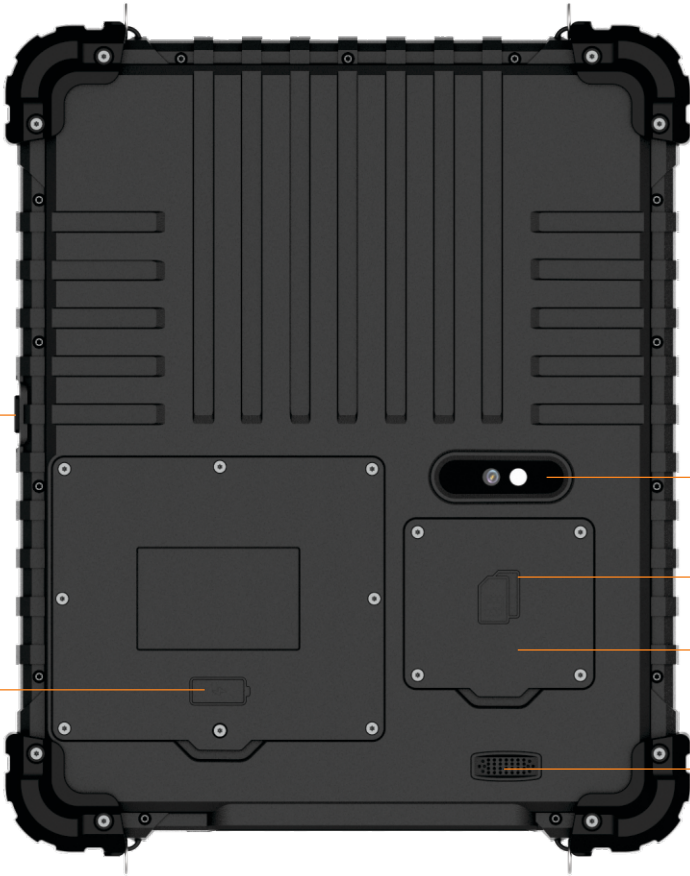


Features At A Glance



- Fingerprint Scanner**  
LES-based FAP 50  
finger print scanner
- Front Camera (Optional)**  
2MP Fixed Focus Camera
- Display**  
7" IPS LCD + Touch  
Screen with Tuffen Glass
- DC Power Jack**
- Rj45 Ethernet(Optional)**
- USB Type-A**
- Micro USB OTG**
- Reset Switch**

**Protection Guard**  
Rubber Case  
(1.0m Drop Protection)



**Control Switch  
and Buttons**  
1x Power On/Off

**Battery**  
9000 mAh  
Li-Ion Battery

- Camera + Flashlight**  
8MP AF + LED Flash
- Dual SIM 3G/4G**
- Secure Access Module (SAM)  
(Optional)**
- Speaker**

# Specification



## Hardware & System

CPU	: ARM Cortex A53 @1.3GHz Quad Core Processor
Memory	: 2GB RAM + 32GB eMMC
Micro SD Card	: Micro SD slot supporting up to 64 GB memory card
LCD	: 7" IPS LCD with resolution (1024 X 600) with 16M colors
Touch	: Scratch Resistant Multi-Point Capacitive Touch Screen with 6H Toughen Glass
Operating System	: Android 10
Front Camera (Optional)	: 2MP Fixed Focus Camera
Back Camera	: 8MP AF camera with High brightness Flash LED
Audio	: High-Quality 1W Speaker for Announcements
Control Buttons	: 1x Power On/Off, 1x Reset Key
Operating / Storage Temperature	: 0 Deg - 45 Deg C
Operating Humidity	: 10%-90% RH (Non-Condensing)
Device Dimensions (L x W x H)	: 265 x 218 x 34 mm
Weight	: Approx 1.130kg
Compliance	: CE, RoHS, BIS, IP65



## Fingerprint Sensor

Fingerprint Type	: LES-based FAP 50 finger print scanner
Fingerprint Image	: 1600 W x 1000 H pixels
Image Specs	: 500 PPI 256 grayscale dynamic range
Certifications	: CE, FCC, RoHS, FBI Appendix F-certified, Mobile ID IQS FAP50, GSA FIPS201, IEC 61000-4-2



## Interfaces

4G/3G/2G	: 2G GSM/GPRS/EDGE: 850/900/1800/1900 : 3G WCDMA: B1/B2/B5/B8 : 4G FDD: B1/B3/B5/B7/B8/B38/B40/B41 : 4G TDD: All Band
Wi-Fi 2.4GHz & 5.0 GHz	: IEEE 802.11 a/b/g/n with Flex antenna
Bluetooth	: BT & BLE 4.0 with Flex Antenna
GPS	: 16 Channel NMEA Compliant with Flex Antenna, AGPS Supported
SIM Socket	: 2 x SIM Socket
DC Jack	: 1 x DC Power Input
Micro USB	: 1 x Micro USB Port for PC Connection as debug port
USB	: USB2.0 Type A (for pendrive connection)
RJ45 Ethernet (Optional)	: Ethernet 10/100 Mbps
SAM Slot (Optional)	: 1 x SAM Socket (As per ISO7816 standard)
RTC (Optional)	: 3V
Contactless Card (optional)	: 13.56 MHz Contactless Card Reader ISO14443 A & B, MIFARE Classic (1K & 4K), MIFARE Ultralight, MIFARE DESFire



## Electrical

Power Adaptor	: Input AC: 90~265V, 50Hz ; Output DC: 12V/2A
Battery Pack	: Li-Ion 9000 mAh Rechargeable & Replaceable Battery

# MANTRA

[www.mantratec.com](http://www.mantratec.com)



**MANTRA**

[www.mantratec.com](http://www.mantratec.com)

Support : [servico@mantratec.com](mailto:servico@mantratec.com)

Sales : [sales@mantratec.com](mailto:sales@mantratec.com)

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