

MBAS30

AADHAAR ENABLED BIOMETRIC
ATTENDANCE SYSTEM



Fingerprint



Camera



In-Built WiFi

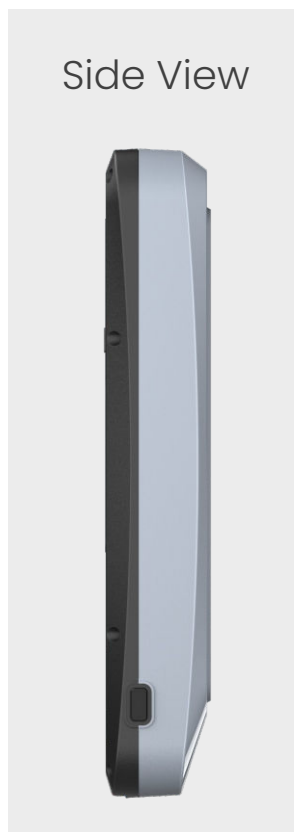


3G/4G



Android

MANTRA



Overview

Mantra's 7" LI AEBAS Device MBAS30 is designed for high-precision individual identification, integrating advanced biometric algorithms with PIV/STQC LI-certified MFS110 scratch-free optical fingerprint scanner. It is ideal for applications such as aadhaar based access control, and time attendance.

The MBAS30 can be wall-mounted for access control and time attendance purposes. Its capacitive scratch-resistant touchscreen with toughened glass ensures durability, while optimized thermal management enhances performance. Featuring dual biometric authentication, the device support fingerprint, ensuring maximum security and accuracy in identity verification.

With built-in 4G, Ethernet, Wi-Fi, and GPS, the MBAS30 ensures seamless connectivity. Additionally, the 6,000 mAh battery with auto sleep and wake-up functionality provides extended battery backup, making it a reliable choice for uninterrupted operations.

Main Features



Technical Specification

Hardware & System

CPU ARM Cortex A53 @2.0GHz Quad Core Processor	Memory 2GB RAM + 32GB Flash	LCD 7" TFT LCD with 1024x600 Resolution
Touch Scratch Resistant Multi-Point Capacitive Touch Screen with 6H Toughen Glass	Audio High-Quality 1W Speaker for Announcements	Object Detection sensor IR based Proximity sensor for device auto sleep & Wakeup
Operating System GMS Certified Android 14	RTC Yes	Control Buttons 1x Power On/Off, 1x Reset Key
Operating / Storage Temperature 0 Deg - 50 Deg C	Operating Humidity 10%-90% RH (Non-Condensing)	Dimensions 238 x 185 x 37mm
Weight Approx 0.8Kg	Certifications CE, RoHS, BIS, IP54	

Fingerprint Sensor (Model: MFS110)

Fingerprint Type Scratch Free Optical FAP10 Sensor	Fingerprint Image 276 x 336 Pixels (Platen Area: 14.0 mm x 17.0 mm)	Image Specs 500DPI, 8 Bit Grayscale
Certifications CE, FCC, RoHS, STQC L1, UIDAI, FBI PIV, EN/IEC 62368-1, IS13252 Part I		

Interfaces

4G/3G/GPRS 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 IEEE 802.11 a/b/g/n/ac	GPS 16 Channel NMEA Compliant with Flex Antenna, AGPS Supported
SD Card MicroSD Card (Supports up to 64 GB)	Bluetooth BT & BLE 5.0	Ethernet 10/100 Mbps
SIM Socket 2 x Micro SIM Socket	SAM Socket 2 x SAM Card (As per ISO7816 standard)	DC Jack 1 x DC Power Input
Micro USB 1 Micro USB Port for PC Connection as debug port	USB 2.0 USB2.0 Type A	

Electrical

Power Adaptor Input AC: 90~265V, 50Hz ; Output DC: 5V/3.0A	Battery Capacity Li-Ion 6000 mAh Rechargeable & Replaceable Battery
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