

# 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 time attendance.

The MBAS30 is wall-mounted for time attendance purposes. Its capacitive scratch-resistant touchscreen with toughened glass ensures durability, while optimized thermal management enhances performance.

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



**Fingerprint Scanner**



**ARM Cortex A53  
@1.5GHz Quad Core  
Processor**




**2Mega Pixel Front Camera  
with Light Sensor**



**2GB RAM  
+ 32GB Flash**

**Certifications**



# Technical Specification

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## Hardware & System

<b>CPU</b> ARM Cortex A53 @1.5GHz Quad Core Processor	<b>Memory</b> 2GB RAM + 32GB Flash	<b>LCD</b> 7" TFT LCD with 1024x600 Resolution
<b>Touch</b> Scratch Resistant Multi-Point Capacitive Touch Screen with 6H Toughen Glass	<b>Audio</b> High-Quality 1W Speaker for Announcements	<b>Object Detection sensor</b> IR based Proximity sensor for device auto sleep & Wakeup
<b>Operating System</b> Android 10	<b>RTC</b> Yes	<b>Control Buttons</b> 1x Power On/Off, 1x Reset Key
<b>Operating / Storage Temperature</b> 0 Deg - 50 Deg C	<b>Operating Humidity</b> 10%-90% RH (Non-Condensing)	<b>Dimensions</b> 238 x 185 x 37mm
<b>Weight</b> Approx 0.8Kg	<b>Certifications</b> CE, RoHS, BIS, IP54	<b>Camera</b> 2MP Fixed Focus Camera

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## Fingerprint Sensor (Model: MFS110)

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

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## Interfaces

<b>4G/3G/GPRS</b> 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	<b>Wi-Fi</b> IEEE 802.11 a/b/g/n	<b>GPS</b> 16 Channel NMEA Compliant with Flex Antenna, AGPS Supported
<b>SD Card</b> MicroSD Card (Supports up to 64 GB)	<b>Bluetooth</b> BT & BLE 4.0	<b>Ethernet</b> 10/100 Mbps
<b>SIM Socket</b> 2 x Micro SIM Socket	<b>USB 2.0</b> 1 x USB2.0 Type A Connector	<b>DC Jack</b> 1 x DC Power Input
<b>Micro USB</b> 1 Micro USB Port for PC Connection as debug port		

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## Electrical

<b>Power Adaptor</b> Input AC: 90~265V, 50Hz Output DC: 12V/2.0A	<b>Battery Capacity</b> Li-Ion 6000 mAh Rechargeable & Replaceable Battery
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# MANTRA

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