

Applications

- Access Control
- Time-Attendance
- Canteen Management
- Banking & Finance
- Resource & Manpower Management
- School Bus Management & Tracking
- Insurance Claim Processing
- eKYC



Features



STQC L1 & FBI PIV Certified
Fingerprint Scanner



13.56 Mhz Contactless
Smart Card Reader



Auto Sleep & Wakeup
to Save the Battery Power



Optimized Thermal
Management



4000 mAh Battery Backup



5MP AF Front Camera
with Flash LED



Ethernet / LAN Connectivity



Android Operating System



micro SD Card Slot Supporting
up to 32GB Storage



Barcode Reader
with Camera



Scratch Free Sensor Surface



MINEX Compliance Extractor



Auto Finger Detection

L1 AADHAAR ENABLED BIOMETRIC ATTENDANCE SYSTEM

MBAS20

With the aid of an advanced biometric algorithm and PIV/STQC L1 certified FAP10 scratch-free optical biometric fingerprint sensor, Mantra's 7" L1 AEBAS Device MBAS20 is created to meet the need for precise individual identification for various applications like eKYC, access control, and time attendance.

The MBAS20 can be used as a wall-mounted device for access control and time-attendance applications. The device's capacitive scratch-resistant touch screen with 6H toughened glass, and optimized thermal management makes it very robust. The latest biometric technology is used by MBAS20 to authenticate and identify users using their own fingerprint impressions. With built-in 4G, Ethernet, wireless, & GPS, the device displays increased connectivity, along with the 4,000 mAh battery with auto sleep & wakeup functionality increases battery backup.



At a Glance

Hardware & System

Parameters	Specification
CPU	: ARM Cortex A53 @ 1.5GHz Quad Core Processor
Memory	: 2GB RAM + 16GB Flash
LCD	: 7" TFT LCD with 1024x600 Resolution
Touch	: Scratch Resistant Multi-Point Capacitive Touch Screen with 6H Toughen Glass
Operating System	: Android 10
Front Camera	: 2MP Fixed Focus
Back Camera	: 5MP Auto Focus Front Camera with Flash LED
LED Indicators	: Power On/Off, Battery Charging Status
Audio	: High-Quality 1W Speaker for Announcements
RTC	: Yes
Object Detection sensor	: IR based Proximity sensor for device auto sleep & Wakeup
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	: 221 x 181 x 48 mm
Weight	: Approx 0.8Kg
Certifications	: CE, RoHS, BIS, IP54

Fingerprint Sensor

Parameters	Specification
Fingerprint Type	: Scratch Free Optical FAP10 L1 Sensor
Fingerprint Image	: 276 x 336 Pixels
Image Specs	: 500 DPI +/- 2%, 256 (8 - Bit Gray Level)
Certifications	: CE, FCC Part 15B, RoHS, STQC L1, FBI PIV, EN/IEC 62368-1, IS13252 Part I