Biometric POS Machine
mTerminal100

MANTRA

Benefits

- Easy integration
- De-clutter cash counter
- Makes reconciliation easy
- Web -based time reporting tool
- Handheld EDC mobility
- Pay by card, swiftly & securely

Features

Support STQC/Aadhaar Certified Fingerprint, IRIS Reader

8GB Flash for Storage of Fingerprint Templates / Photos with Transactions

3G/4G/GPS/Bluetooth/ WIFI Connectivity

Quad Core Processor & Android OS

Online/Offline Software Makes Individual Operation Easy to Manage

Inbuilt Battery Backup to Ensure 99.9% Uptime

Data Retention in Case of Power Failure, No Loss of Data

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Mantra mTerminal100 is an iris and fingerprint POS machine developed based on the latest biometric technology. The use of biometric fingerprint recognition within a POS system adds value to the customer by eliminating the use of barcodes and/or pin numbers for more secure transaction and increasing the overall operational efficiency of the business.

mTerminal100 biometric POS machine runs on the Android Operating System and is powered by 1Ghz Quad Core ARM processor. It also includes 1GB RAM and 8GB Flash memory. The device supports an external keyboard which can be connected through USB or Bluetooth interface. With STQC certified fingerprint and iris sensors, the terminal is designed to accommodate the rising use of biometric authentication for payments.

At a Glance

Tablet

Parameters	Specification
Display	: 7" IPS LCD, 1024 X 600 Resolution, Multi Touch Capacitive Touch Screen With Tuffen Glass
Processor	: 1 GHz Quad Core ARM Processor
RAM	: 1 GB
Inbuilt Storage	: 8 GB Flash Memory
Expansion Slot	: Micro SD Slot Supporting up to 32 GB Memory Card
Audio	: Good Quality Speaker - 1W Speaker
Connectivity	: Dual 4G/3G/2G Micro SIM Slot, WiFi Interface & Bluetooth
GPS	: Supports GPS and AGPS
USB Ports	: Micro USB OTG as Debug Port, Additional USB2.0 Slave Port
Battery	: Swappable & Rechargeable 10,000mAH Li-ion/Li-Polymer Battery
Camera	: 5MP Auto-Focus Camera for Reading QR Code and 2D Barcode, 2MP Front Camera (Optional)
Indicators	: Status Indicator Provides Ease of Use. Indicators are for Better Connectivity (Presence/Absence), Signal Strength, Battery Status etc.
SAM Slot	: SAM Slot to Secure Loading of Applications
Certification	: CE, RoHS, BIS IS13252 (Part 1)
Ethernet	: 10/100 Mbps Supported RJ-45 Interface
Other Interface	: RS232, Relay with Non Potential Contacts
Operating System	: Android
Power On/Off	: External Power On/Off Button
DC Power	: Separate DC Jack for Power Input
Power Adapter	: Power Adapter with Surge Protection
External Keyboard Support	: Device Can Support Keyboard Through USB or Bluetooth Interface

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IRIS Scanner

Parameters	Specification
Spatial Resolution	: > 50% @ 1.0 LP/mm
Pixel Resolution	: > 10 Pixels/mm
Image Margins Left & Right	: >= 0.6x IRIS Radius
Top & Bottom	: >= 0.2x IRIS Radius
Imaging Wavelength	: 700-900 nm
Pixel Depth	: 8 Bits/Pixel
Certification	: Mantra MIS100V2 STQC/UIDAI Certified IRIS Sensor

Fingerprint Scanner

Parameters	Specification
Fingerprint Sensor	: Optical (Scratch Free Sensor Surface)
Image Resolution	: 500 DPI / 256 Gray
Sensing Area	: 16 x 18 mm
FAP	: FAP10
Certification	: Mantra MFS100 STQC/UIDAI Certified Fingerprint Sensor

Thermal Printer

Parameters	Specification
Printing Speed	: 70mm/s
Effective Printing Width	: 48mm
Style	: Black and White
Printer	: Integrated 2" Thermal Printer

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