Rugged Authentication Handheld Device

BIO-HHT

// Introduction

An innovative Fingerprint Reader Device, Bio-HHT is an advanced handheld biometric device from Mantra. BioHHT has an IPS display screen with a keypad. A ruggedized portable biometric device is built for rough work in harsh conditions. It brings the convenience of mobility combined with biometrics and id card reading technology.

Keeping in mind its outdoor application, this wireless fingerprint device with a smart contactless card reader has an inbuilt battery that can handle long hours of intense usage. The handheld biometric device is protected with a rubber gasket around it to ensures it has a good grip along with an elegant look and feel. Bio HHT is a perfect device for mobilizing and empowering your workforce for biometric applications.

// Features

◆ Rugged design; IP65 Sealing, 1m Drop Proof.

◆ User Friendly design offers Intuitive User Experience; Ultrafast User Identification.

◆ Ultrafast User Access and Higher Security

◆ Secure eMMC boot; On board 16GB offers Higher Capacity to Manage User & Events.

◆ In-built Secure Access Module; supporting ISO7816 compliant Contact Smart Card

◆ Contactless Smart Card Module; supporting ISO14443 compliant Contactless Smart Card

◆ Tamper Detection and Protected.

◆ Battery Operated Devices with back-time of 5 hours.

◆ Gorilla Glass IPS display with Scratch Proof.

◆ 4 x 4 Matrix Numeric Keypad with integrated Alphanumeric Key Strokes.

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RUGGED AUTHENTICATION HANDHELD DEVICE Bio-HHT

// At a Glance

Hardware & System		
	CPU	: ARM Cortex®-A7 core, 528MHz
	Memory	: 512MB RAM & 16GB eMMC
	Keypad	: 4 x 4 Matrix Keypad with Alphanumeric Keys
	Toughen Glass	: Scratch Resistant 6H Toughen Glass
	Operating System	: BOSS OS , Dabian Linux
	Indicators	: Battery Charging Status, User Defined on the LCD Screen
	Audio	: 1W, 8 Ohm Speaker for Announcements
	RTC	: Yes (Coin Cell, On Board Reachargabale)
	Operating / Storage Temperature	: **Operating** : 0 Deg - 60 Deg C **Storage:** 0 Deg - 70 Deg C
	Operating Humidity	: 10%-90% RH (Non-Condensing)
	Dimensions	: 213 mm (L) x 96 mm (W) x 84 mm (H)
	Weight	: Approx 500 gm
	Certifications	: CE, RoHS, BIS, IP65, Drop Test

Fingerprint Sensor		
	Fingerprint Type	: Scratch Free Optical Sensor
	Fingerprint Image	: 316 x 354 Pixels (16 x 18 mm)
	Image Specs	: 500DPI, 8 Bit Grayscale
	Certifications	: CE, FCC, RoHS, STQC, PIV, IEC60950, IS13252 Part I

Smart Card Reader		
	Contactless Card	: ISO14443 Type A/B Cards, 424 Kbps or other lower speed, Antenna should read from 50mm read range.
	SAM	: ISO7816 Class A

Interfaces		
	Ethernet	: 10/100 Mbps, Through Docking Station
	SAM Socket	: 1 x SAM Socket On Board
	DC Jack	: 1 x DC Power Input, through Docking Station
	Micro USB	: 4-Pin Micro USB, Through Aux Connector (Development Only)
	USB OTG	: 5 Pin On Board USB Connector for Finger Print Module

Electrical		
	Power Adaptor	: Input AC: 100~275V, 47Hz to 53Hz; Output DC: 5V/3.0A
	Battery Back-Up	: Li-Po 4000 mAH Rechargeable & Replaceable Battery

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