

# HRT SERIES

MULTI-APPLICATION • RUGGEDIZED • EFFICIENT



# HRT 300

## KEY FEATURES



Contact Card Reader



Contactless Card Reader



Disaster Management



Ticket Validation



Logistic



Cashless Transaction



## PRODUCT CONFIGURATIONS

	0384	0385	0406	0407	0408	0414	0415
Contactless Reader - MIFARE, FeliCa	■	■	■	■	■		
Contactless Reader - HID						■	■
Contact Card Reader	■	■	■	■	■	■	■
Barcode Reader		■	■				■
Camera		■	■	■	■	■	■
GPS		■			■	■	■

## FUNCTIONAL DESCRIPTION



### RUGGEDIZED FORM FACTOR

Meets IP65 water and dust sealing protection that enables seamless field operation.



### WIDE RFID STANDARD COMPATIBILITY

Delivers a wide radius of RFID compatibility such as MIFARE, DESFire, Ultralight and HID i-Class.

# HRT 500

## KEY FEATURES



Contact Card Reader



Fingerprint Sensor



Contactless Card Reader



Public Security



Worker Management



Law Enforcement



Health Management



## PRODUCT CONFIGURATIONS

	0421	0422	0423	0424	0425	0426
Contactless Reader - MIFARE, FeliCa	■	■	■	■		
Contactless Reader - HID					■	■
Contact Card Reader	■	■	■	■	■	■
Fingerprint Scanner	■	■	■	■	■	■
Barcode Reader	■	■			■	
Camera	■	■	■	■	■	■
GPS	■		■		■	■

## FUNCTIONAL DESCRIPTION



### OPTICAL FINGERPRINT SENSOR

Equipped with optical bi-directional biometric module which captures clear and definite biometric images regardless of the direction of the finger.



### ONE-TO-MANY IDENTIFICATION

Biometric module that can save up to 1000 biometric templates ensures wide identification radius.

# HRT 700

## KEY FEATURES



Contact Card Reader



Fingerprint Sensor



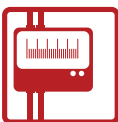
Contactless Card Reader



Thermal Printer



Law Enforcement



Utility Management



In-flight Sales



Parcel Management



## PRODUCT CONFIGURATIONS

	0416	0417	0418	0419	0420
Contactless Reader - MIFARE, FeliCa	■	■	■	■	■
Contact Card Reader	■	■	■	■	■
Fingerprint Scanner	■	■			
Barcode Reader	■		■		
Camera	■	■	■	■	■
GPS	■	■		■	

## FUNCTIONAL DESCRIPTION



### SEAMLESS COMMUNICATION

Integrated with broad range of advanced data collection features with flexible communication capabilities.



### BUILT IN THERMAL PRINTER

Integrated with thermal printer for all printing needs such as receipts and tickets.

# SPECIFICATIONS

## System

<b>Memory</b>	256MB DDR-2 RAM, 4GB Flash
<b>Memory Expansion</b>	1 x micro-SD Memory Slot (Support up to 32GB)
<b>Host PC Operating System</b>	Windows® CE 6.0
<b>Device Operating System</b>	Windows® 8 / 7 / Vista / XP
<b>Programming Language</b>	C++ Programming, NET Programming in Microsoft® Visual Studio 2005

## Human Interfaces

<b>Display</b>	3.5" TFT Colour LCD 640x480 Touch Screen with Backlight
<b>Audio</b>	Built-in Mono Speaker, Mic

## Communication Interfaces

<b>Bluetooth</b>	Bluetooth Class II, Version 2.0+EDR
<b>Wireless LAN</b>	IEEE 802.11 b/g Wi-Fi
<b>Network</b>	3.5G - HSDPA / HSUPA / W-CDMA - 2100, 900, 850 MHz 2G/2.5G - GSM / GPRS / EDGE - 850, 900, 1800, 1900 MHz
<b>USB</b>	USB Client 1.1 (Active Sync)

## Fingerprint Sensor

<b>Sensor</b>	Optical Sensor
<b>Resolution (dpi)</b>	500
<b>Active Area (mm)</b>	14 x 22
<b>Supported Template</b>	Sagem Algorithm
<b>Template Formats</b>	Morpho Proprietary, ISO 19794-2, ANSI378, RAW/ Bitmap, WSQ Output (Optional)

## Contactless Card Reader

<b>Standard</b>	ISO 14443 A/B Part 1, 2, 3, 4, MIFARE, FeliCa
<b>Card Type</b>	MIFARE Classic / Ultralight / Ultralight C / DESFire / MIFARE Plus / Sony FeliCa / HID iClass
<b>Card Transmission Rate</b>	Up to 848 kbps (Card Type Dependent)

## Contact Card Reader

<b>Standard</b>	ISO/IEC Standard 7816 Part 1,2,3, (T=0, T=1)
<b>Card Type</b>	1 x ID-1 Card Slot 3 x ID-0 SAM Slots
<b>Communication Speed</b>	9.6 kbps up to 115.2kbps
<b>Card Type</b>	Class A & B

## 1D/2D Barcode Reader

<b>Supported Standard</b>	EAN8, EAN13, CODE39, CODE128, Interleaved 2 out of 5, PDF417, Data Matrix, QR-CODE, Aztec
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## Thermal Printer

<b>Type</b>	2" Thermal Printer
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## GPS

<b>Receiver Type</b>	50 Channels GPS L1 Frequency, C/A Code SBAS: WAAS, EGNOS, MSAS
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## Camera

<b>Resolution</b>	5 Megapixel
<b>Flash</b>	LED Flash

## Power

<b>AC Input</b>	100-240VAC, 50/60Hz
<b>DC Output</b>	9V, 3A
<b>Battery</b>	7.4V 3600mAH Li-ion Battery

## Mechanical

<b>Dimension (mm)</b>	164(L) x 94(W) x 44(H) HRT300 198(L) x 94(W) x 48(H) HRT500 230(L) x 94(W) x 78(H) HRT700
<b>Weight (g)</b>	460 (HRT300) 510 (HRT500) 620 (HRT700)

## Environment

<b>Operating Temperature</b>	-10°C to +50°C
<b>Storage Temperature</b>	-20°C to +60°C
<b>Humidity</b>	5% to 95% RH, Non-condensing
<b>Water &amp; Dust Protection</b>	*IP65 (Dust & Water Resistance)
<b>Drop Tolerance</b>	*1.5m *HRT300 & 500 Only

## OPTIONAL ACCESSORIES

### Cradle



Device and Battery  
Charging Cradle

### Carrying Pouch



PVC Pouch

### Protective Sleeve



Rubber Sleeve

### Additional Battery



3600 mAH  
Battery





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