ISO HF RFID Tags with existing koha (ILMS) Software - IDT-LIB110

RF Features
- Operated Frequencies: 13.56MHz
- Mode Of Operation: Passive (battery free)
- Distance for detection from pedestal: 36 inches

Electrical Characteristics
- Protocol: ISO 15693/18000-3 Compliant
- Total Memory: 1024 bits
- User Memory: 896 bits

Inlay Material
- Antenna: AL, 15 µm ± 3 µm
- HF IC: Silicon, 150 µm ± 10 µm
- Substrate: PET, 38 µm ± 5 µm

ESD & Inlay Handling
- Human Body Model: 1.5KV
- Charged Device Mode: 1.5KV

CHIP
- Product Code: NXPICODE SLI SL2 ICS20

Label Material
- Surface Material: White coated paper, 80g/m²
- Adhesive: Acrylic emulsion, 25 µm ± 3 µm
- Release Paper: White glassine paper, 60g/m²

Label Specification
- Label Size (CD x MD): 80 mm x 50 mm (+/-10%)  
- Label Pitch: 94 mm ± 0.5 mm
- Liner Width: 60 mm ± 0.5 mm
- Max Units Per Roll: 5,000 pcs

Environmental Specification
- with self adhesive back side, multi-read, anti-theft
- Recommended: -25°C to +50°C
- Storage Condition: 20% to 90%RH
- Operating Temp: -40°C to +65°C
- Security Function: EAS (Electronic Article Surveillance)
- Re writable section for item anti-theft (which can be activated and deactivated)
- Read Function: Multiple
- Read Warranty: Life time
- Distance for detection from pedestal with minimum 36 inches Tags

<table>
<thead>
<tr>
<th>Item</th>
<th>NO.</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Antenna length</td>
<td>1</td>
<td>77.0 ± 0.05mm</td>
</tr>
<tr>
<td>Antenna width</td>
<td>2</td>
<td>47.0 ± 0.05mm</td>
</tr>
<tr>
<td>Label length</td>
<td>3</td>
<td>80.0 ± 0.1mm</td>
</tr>
<tr>
<td>Label width</td>
<td>4</td>
<td>50.0 ± 0.1mm</td>
</tr>
<tr>
<td>Gap between two labels</td>
<td>5</td>
<td>14.0 ± 1.0mm</td>
</tr>
<tr>
<td>Label edge to release paper edge(left)</td>
<td>6</td>
<td>5.0 ± 1.0mm</td>
</tr>
<tr>
<td>Label edge to release paper edge(right)</td>
<td>7</td>
<td>5.0 ± 1.0mm</td>
</tr>
<tr>
<td>Release paper width</td>
<td>8</td>
<td>60.0 ± 0.5mm</td>
</tr>
<tr>
<td>Radius of label corner</td>
<td>9</td>
<td>3.0 ± 0.1mm</td>
</tr>
<tr>
<td>Core inner diameter</td>
<td>10</td>
<td>3 inch (76.2 ± 1.0mm)</td>
</tr>
<tr>
<td>Roll outer diameter</td>
<td>11</td>
<td>≤12 inch (305mm)</td>
</tr>
</tbody>
</table>
ICODE-C11
RFID SMART CARD

Plane White ICODE Card

Store individual Demography, Official and Contact Details
4 Layer Card

Thickness: 760 microns.

1 KB EEPROM (Memory)

Embedded antenna

Range of Operation: about 20-25cm

Frequency 13.56 MHz

Case Material: PVC

Surface Finish: Glossy

Standard: ISO15693

Data rate: 106kbits/s
Both side back to back Smart Card Printable

Weight: 5g
Printed with logo and photograph with demographic Details

Data retention of 10 years minimum
Maps Data from Database to Indentify on card
Write/Erase endurance 100,000 cycles minimum

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Visit us at: www.idsolutionssindia.com | Ph : 91-124-4255530
SMART-50S

Ideal solution to print any kind of single-side ID cards!

SMART-50S printer produces full-color or monochrome cards in moment and it is ideal solution to print ID cards on demand or in volume.

SMART-50S offers a wide range of optional features including magnetic encoder, contact and contactless smart card encoders making it ideal for many applications in a variety of environments. SMS Service Pack

- Color & Mono Single Side Printing
- Full color Ribbons and Cleaning Kit
- Print Mode: Color dye sublimation and monochrome thermal transfer
- Print Speed: 22 sec./card (YMCKO)
- 300dpi with Edge-to-Edge Printing
- 4 LED and 1 Buttons control panel for Front Operation
- Advanced Cleaning Roller
- Low Cost Security with UV Printing
- Installable Encoders: MS, Contact & Contactless, SIM
- Upgradable Modules: Flipper, Laminator & Ethernet

SMART Applications ensure proper card issuance and data management with SMART series printers at no extra cost.

SMART Design
- Design and Print (Images, Photos, Texts, etc.)
- 1D & 2D Barcode printing
- Auto portrait (Auto face detection & adjustment of size & position)

SMART DB
- Convenient issuance of cards and data management
- Supports ODBC (Open Database Connectivity)
- Magnetic stripe (MS), contact & contactless smart card encoding by using plug-in program

SMART series provides effective security features for access control and data encryption.

SMART Design has a password verification function to provide administrator and user authentications.

SMART series can set a specific authorized PC for encoding and printing cards.

SMART series can encrypt data transmitted on USB and can support SSL (Secure Socket Layer) protocol on ethernet communications.
SMART series can utilize the network printer server for encoding and printing cards. SMART Ethernet module can not only print cards but also encode MS, contact and contactless smart card through the network. SMART Ethernet module has OCP (Open Card Print) protocol which can encode and print cards by using commands on multiple platforms without installing the printer driver. Available encoding the contact & contactless smart card by Ethernet.
Specifications

**PRINTING**
- Print Type: Dye-Sublimation
- Print Area: Edge to Edge
- Resolution: 300dpi (11.8 dots)
- Dual Sided Printing: Option (with Flipper)

**CARD**
- Card Feeding: Automatic
- Card Size: ISO CR80 (54mm x 86mm / 2.12" x 3.38")
- Card Thickness: 0.38mm (15mil), 0.76mm (30mil)
- Card Type: PVC, PET, Composite PVC

**PRINT SPEED**
- Monochrome: 5 sec./card (720 cards/hour)
- YMCKO: 22 sec./card (164 cards/hour)
  Max. 18 sec./card (220 cards/hour)

**CAPACITY**
- Input Hopper: 90 cards
- Output Hopper: 100 cards

**SYSTEM**
- Memory: 64MB RAM
- Display: 2 Line LCD
- Control Panel: 2 LED Buttons
- Supported Platforms: Microsoft Windows 2000/ 2003/ XP/ Vista/ 7/ 8/, Mac OS, Linux
- Communication: USB, Ethernet (Option) TCP-IP Connection
- Power Supply: Free Voltage (AC100/200V, 50~60Hz)
- Power Consumption: 48
- Temperature/Humidity: 15~35°C / 35~70%

**DIMENSIONS**
- Millimeter (WxLxH): 170 x 420 x 195
- Inch (WxLxH): 6.7 x 16.5 x 7.7

**WEIGHT**
- Kg/lbs: 4.5 / 10

**ENCODING OPTIONS**
- Magnetic: ISO 7811 (Track I, II, III Read/Write, HiCo/LoCo), JIS II
- Contact: ISO 7816 (ID-1)
- Contactless: MIFARE, ISO 14443 (Type A/B), ISO 15693, DESFIRE, iCLASS

**CERTIFICATIONS**

Consumables

**COLOR RIBBONS**
- YMCKO: Full Color Ribbon with Resin Black & Overlay
  250 Cards/Roll
- YMCFKO: Full Color Ribbon with UV Panel, Resin Black and Overlay
  200 Cards/Roll
- HYMCKO: Half Panel Size Color Ribbon with Resin Black and Overlay
  350 Cards/Roll

**MONO RIBBONS**
- KO: Black with Overlay
  600 Cards/Roll
- K: Black
  1200 Cards/Roll
- W: White
  1200 Cards/Roll
- B: Blue
  1200 Cards/Roll
- R: Red
  1200 Cards/Roll
- MG: Metallic Gold
  1200 Cards/Roll
- MS: Metallic Silver
  1200 Cards/Roll
- SO: Scratch-Off
  1200 Cards/Roll
HF Integrated Reader
(13.56MHz, ISO15693 Protocol)

IDT ICODE 100PA

- Provided with KOHA open source LMS (Library Management Software)
- Small in size and economic so as to use it in any library desktop configuration (table top or underneath table/desk)
- Read/Write/Anti-theft programming to be done in one single operation
- Programming station interface with the KOHA Library,
- Communication Port: IP and Ethernet for communication
- Over service certificate: CE/EMC Chip Compatibility
- Rf Channels 1, General Purpose Input / Output (IO) 1 input and 1 output

Antenna Features
- RF Input power 1-1.2W
- Operating Temperature: 0° to 55°C (32° to 131°F)
- Storage Temperature: Upto 60°C

Communication Interface: USB, Ethernet and RS232

Features
- Self-intellectual property
- Support ISO/IEC15693, NXP EPC, NXP UID, HF EPC, ISO18000-3 protocol tags and 14443A/2B560
- RF output power over 1W and Power supply: 12 volts DC
- Advanced anti-collision algorithm, high identification rate, typical tag process speed is over 80 tags/s
- Support standard RFID card with effective distance up to 20cm* to 30cm
- Antenna open/short circuit tolerant;
- Support Transparent Command operation
- Support addressable multiple antenna ports
- Support DPPM/WPPM tag-parsing mode
- RF Channels: 1

Easily Integration with KOHA Library.

Management software with/without NCIP or SIP 2

① Transparent Command Operation: It is an advanced feature designed to support tag’s future functions and different chip vendors’ customized tag functions.
② DPPM/WPPM Tag-parsing Mode: DPPM tag-parsing mode means depth-first parsing pattern and WPPM means breadth-first parsing pattern. They are different methods of decoding multiple tags.

*Effective distance depends on RF output power, antenna, tag and working environment.
IDT ICODE 100PA

CHARACTERISTICS

- **Absolute Maximum Rating**

<table>
<thead>
<tr>
<th>ITEM</th>
<th>SYMBOL</th>
<th>VALUE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Supply</td>
<td>VCC</td>
<td>16</td>
<td>V</td>
</tr>
<tr>
<td>G_IN1, G_OUT1, G_OUT2 I/O Voltage</td>
<td>V(IO)</td>
<td>7</td>
<td>V</td>
</tr>
<tr>
<td>Operating Temp.</td>
<td>T_OPR</td>
<td>-20 ~ +65</td>
<td>°C</td>
</tr>
<tr>
<td>Storage Temp.</td>
<td>T_STR</td>
<td>-25 ~ +80</td>
<td>°C</td>
</tr>
</tbody>
</table>

- **Electrical and Mechanical Specification**

  Under $T_A = 25°C$, VCC = +12V unless specified.

<table>
<thead>
<tr>
<th>ITEM</th>
<th>SYMBOL</th>
<th>MIN</th>
<th>TYP</th>
<th>MAX</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Supply</td>
<td>VCC</td>
<td>11.5</td>
<td>12</td>
<td>15</td>
<td>mA</td>
</tr>
<tr>
<td>Current Dissipation</td>
<td>Ic</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Frequency</td>
<td>FREQ</td>
<td>13.56</td>
<td></td>
<td></td>
<td>MHz</td>
</tr>
<tr>
<td>Effective Distance*</td>
<td>DIS</td>
<td>0</td>
<td>300</td>
<td>50</td>
<td>mm</td>
</tr>
<tr>
<td>G_IN1 Input Level</td>
<td>V_H</td>
<td>3.5</td>
<td>2.6</td>
<td>1.55</td>
<td>V</td>
</tr>
<tr>
<td></td>
<td>V_L</td>
<td></td>
<td>2.3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>G_OUT1, G_OUT2 Output Current</td>
<td>±I_O</td>
<td></td>
<td>0.5</td>
<td></td>
<td>mA</td>
</tr>
<tr>
<td>G_OUT1, G_OUT2 Output Level</td>
<td>V_OH(10mA=0.1mA)</td>
<td>3.95</td>
<td></td>
<td>0.73</td>
<td>V</td>
</tr>
<tr>
<td></td>
<td>V_OL(10mA=0.1mA)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| Relay                                      | C_LOAD | 0.5A at 125VAC | |
| Operating Voltage                         |        | 1A at 24VDC   | |
| Operating Current                         |        | 125VAC 60VDC  | |
|                                          |        | 1          | A    |

*Effective distance depends on RF output power, antenna, tag and working environment.*

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SOP Features Integrated With Existing ILMS

- Tagging /Retagging after proper online validation of the Title/member records in ILMS database.
- Tag monitoring by accessing item record from ILMS database.
- Sorting by accessing Title record from ILMS database.
- Check out/Check in/Renewal
- Stock verification
- Provisions for display of member photograph along with member details while doing the transactions.
- Provision for display of reservations done by a member along with sequence and date of collection
  - Provision for enquiry of checkouts against a member and its due date
- This facility is available on all transaction screens for reducing response time while presenting the details before the member
- Provisions for details of fine against a member along with fine receiving functionality
- Provision of slip printing (on plain paper ) containing the details of a transaction
- Reserved titles get highlighted while check-in
Integrated Self Checkout /In Station (RFID) - IDT-56SC

Interface with the ILMS software

ID Tech's Check out is an intuitive and easy to use patron self-checkout station. The system has a touch screen monitor and offers step-by-step instructions to guide patrons through the checkout process of all library materials including books, CDs and DVDs. The system is compatible with all ISO standard RFID labels and operates seamlessly with the library applications. This unit programs and re-programs the RFID tags. Long range RFID Reader and Antenna with multiple Read/Write facility, Customizable kiosk shell to suit the library décor.

ID Tech's RFID Checkout (Model IDT-Lib10) provides patron checkout and clearance of materials via RFID tags. When the RFID tag is read, an EAS/AFI security function is performed, the items are processed and a receipt is printed informing the patron when to return materials to the library. High Speed Thermal Kiosk Printer, LCD Touch Screen Monitor

The RFID security feature prevents patrons from checking out more than one book under a single item identifier or substituting items during checkout. LCD touch Screen Monitor (Antiglare, minimum 17”), Branded /Reputed Industrial computer Small Factor CPU

Once the checkout process is complete, the patron exits the library through the RFID detection system. The entire self-service process is fast, user friendly, and increases productivity by freeing library staff to perform other tasks and can receive 100 books at a time.

Specifications

<table>
<thead>
<tr>
<th>Parameters</th>
<th>IDT-Lib 10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working Frequency</td>
<td>13.56 MHz</td>
</tr>
<tr>
<td>Multi Protocol firmware</td>
<td>ISO 15693, ISO 18000-3/28560 / 14443A / 28560 compliant</td>
</tr>
<tr>
<td>Display Monitor</td>
<td>LCD touch screen (17” High Resolution)</td>
</tr>
<tr>
<td>Communication Interface</td>
<td>USB/Ethernet</td>
</tr>
<tr>
<td>Power Supply</td>
<td>240V 50Hz</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-10°C to +70°C</td>
</tr>
<tr>
<td>Read Range</td>
<td>Reader dependent</td>
</tr>
<tr>
<td>Dimensions</td>
<td>Customizable</td>
</tr>
<tr>
<td>Weight</td>
<td>Customizable</td>
</tr>
<tr>
<td>Packaging Material</td>
<td>Wood, ABS, Acrylic etc</td>
</tr>
<tr>
<td>Branded CPU</td>
<td>160GB HDD, 1GB RAM</td>
</tr>
</tbody>
</table>

(here KOHA) giving following: Check out/ Check in /Renewal Transaction status, Transaction printout against the item produced, Intelligent system for automatic judgment of nature of transaction, display of member photograph along with welcome message before performing any transaction, sequence and date of collection, display of reservations done by a member along with, of enquiry of checkouts against a member and its due date, enquiry fine against a member. The design to be Wheel Chair compliant so that patrons on Wheel Chair are able to use the self-check without problems. Preferable to meet Accessibility of library customers in a wheel chair.
Gate Antenna
IDTECH LIB - 5283

Features:

- Aisle widths up to 95 cm by three-dimensional tag orientation
- Easy installation and automatic adjustment
- Identification in any orientation (3-D)
- Gate applications with 1, 2, 3 or 4 alleyways (optional: 5 or more)
- Reader, Multiplexer or Power Splitter can be integrated in the antenna base
- Radio approval according to ETSI (Europe) and FCC (North America)
- Optional: Operation “Stand alone/ Offline” without Host PC
- 2 line infrared motion sensor with movement intelligent direction determination and personnel counting
- Communication Interface : RS 232, RS 485, RS422 or Ethernet
- Supports plug in Camera, Large Screen Display / Television to realize control and management in a more intuitive way ,Counts in/out traffic located at the bottom of the pedestal
- Supports further development, expansion/modification and customization
- Advance anti-collision algorithm & high identification rate
Creating a Gate Solution / Technical Data

**13.56 MHz frequency Range**

- High performance HF 3D Gate Device
- Excellent Detection and Reliability
- Fast Tag Anti collision Operation
- Multiple Gate Synchronisation Upto 8 Gates
- Applications: Anti-Theft, Access Control, Conference Attendance

Security alarm modes are EAS AND AFI light and buzzer located in the pedestal.

Memory: 2GB

### Technical Data

<table>
<thead>
<tr>
<th>Housing</th>
<th>Acrylic Transparent and Metallic Base Box</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions</td>
<td>180cm x 64cm x 5cm +/- 10mm</td>
</tr>
<tr>
<td>Weight</td>
<td>approx. 15 kg without / 20 kg with packaging</td>
</tr>
<tr>
<td>Protection class</td>
<td>IP 54</td>
</tr>
<tr>
<td>Colours</td>
<td>Antenna frame: Transparent Acrylic Antenna base: White</td>
</tr>
<tr>
<td>Power supply</td>
<td>85 to 265 VAC/5060HZ</td>
</tr>
<tr>
<td>Power consumption</td>
<td>30w</td>
</tr>
<tr>
<td>Operating frequency</td>
<td>13.56 MHz</td>
</tr>
<tr>
<td>Maximum transmitting power per antenna</td>
<td>8 W</td>
</tr>
<tr>
<td>Automatic alarm function without host connection</td>
<td>EAS, AFI, UID / SNR</td>
</tr>
<tr>
<td>Supported transponders</td>
<td>ISO15693, ISO18000-3-A /28560 (EM HF ISO Chips, Fujitsu HF ISO Chips, KSW Sensor Chips, Infineon my-d, NXP I-Code, STM ISO Chips, TI Tag-it) NXP I-Code 1, I-Code UID, I-Code EPC</td>
</tr>
<tr>
<td>Aisle width by using Power Splitter</td>
<td>approx. 105 cm* approx. 90 cm*</td>
</tr>
<tr>
<td>- One label orientation</td>
<td>①</td>
</tr>
<tr>
<td>- Any label orientation</td>
<td>② ③</td>
</tr>
<tr>
<td>Aisle width by using Multiplexer</td>
<td>approx. 120 cm* approx. 95 cm*</td>
</tr>
<tr>
<td>- One label orientation</td>
<td>①</td>
</tr>
<tr>
<td>- Any label orientation</td>
<td>② ③</td>
</tr>
<tr>
<td>Temperature range</td>
<td>App.620x80x1779 mm(24.4x3.1x70 in)0 degree to 55 degree(32 degree to 131 degree F)</td>
</tr>
<tr>
<td>- Operation</td>
<td></td>
</tr>
<tr>
<td>- Storage</td>
<td></td>
</tr>
</tbody>
</table>

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An ISO 9001:2008 Certified Company
Library security gate (One Channel) with EAS Gates: IDT-55SGL

Security gate include two theft detection pedestals, which are interdependent of each other and also have an overlapping protection zones providing additional security. The system have suitable number of I/O ports for Standard electronic counter, web cam trigger, Locking gates, etc. The offer must be complete in all respects and must include all the components required for the functionality of the system. Library security gate would have following specifications as mentioned below:

Product Specifications

- Detection Range Up to 100 (cm) between two pedestals (application dependent)
- Security Modes Alarms EAS & AFI Lights and buzzer located in the pedestal
- People Counter Counts in/out traffic located at the bottom of the pedestal
- Communication Interface RS232/RS422/RS485 or Ethernet
- Power Consumption 30W
- Power Supply 85 to 265 VAC/5060HZ
- Casing High quality plastic KYDEX UL94 Vo or plexiglass in two tone gray
- Dimensions Operating Temperature
  - App. 620 x 80 x 1779 mm (24.4 x 3.1 x 70 in) 0° to 55° C (32° to 131° F)
- Configured to detect different chip types simultaneously.
- If EAS (Electronic Article Surveillance) bit on detected, it must trigger alarm
- suitable number of I/O port for standard electronic counter, web cam, trigger, CCTV, locking gate etc.
- Memory: At least 2GB inbuilt to store book and member logs
- A pedestal including 1 antenna set (3 antennas) for large detection field and 1 electronic unit (controller) integrated into the pedestal bottom
- Lights and buzzer inbuilt
- Powerful DSP (Digital Signal Processor)
- People Counter (Infra-Ray Port).
- The proposed system must provide items security even when the LMS or network is off line or not functioning.
- certification required CE/EMC/UL/FCC
RFID Transparent/Glass BOOK DROP BOX-IDT- DB07

AUTOMATIC LIBRARY MANAGEMENT SYSTEM

Features:

- Integrated RFID Reader
- Approx. 250 Books Receiving Cart (Movable) 2 NOS
- Client Software for Checking-in Facility and communicating with LMS with provision for E-mail/SMS confirmation
- Has automatic hutch which should open only on valid RFID tags and close once the book has been accepted to prevent the patrons from removing checked in books.
- Client Software for checking-in facility and communicating with KOHA Software with provision for E-mail/SMS confirmation
- Communication with any LMS Software through SIP2/NCIP protocols
- Compliant with internationally recognized standards for RFID based library self-services systems.
- Book Drop can display item ID once item is returned. with necessary items i.e.: Branded CPU etc.
- 15” or higher LCD/LED Touch Screen Monitor.
- Ethernet High Speed Receipt Printer with plain paper
- Customizable Design matching the library aesthetics; Contemporary and attractive.
- Design is such that there is not damage to the dropped books.
- Library Ethernet network and wireless network compliant.
- Optional Features: Fingerprint Scanner, Smart Card Readers etc.
- RFID Reader (Ethernet) integrated
- Automatic hutch open only on valid RFID tags and close once the book has been accepted to prevent the patrons from removing checked in books.
RFID HF Handheld Reader with Antennae

Model: IDT H9185A
Size: 190mmx75mmx30mm
Weight: 430g
GENERAL DESCRIPTION
ID Tech HF Handheld Readers support 13.56MHz ISO15693, ISO14443 Type A & Type B protocol tags. They can be widely applied in many RFID application systems such as Library Management, File Tracking, Personnel Identification, Access Control, Anti-counterfeit, Logistics Monitoring, Quality Supervision, Industrial Production Process Control System, Health Care Industry and Finance and Insurance Management, WiFi Portable Library Inventory Reader integrated & supplied with PDA and two units of rechargeable NiMH batteries etc.

FEATURES
- 13.56MHz frequency; Support ISO15693, ISO14443 Type A & Type B protocol tag; Support GPRS / GSM, 3G, Bluetooth, Wi-Fi;
- Display: 3.5”QVGA touch screen, 240x320 pixels, 262 k colours, Adjustable LED backlight, Daylight readable
- Supplied with large, clear & sharp color display
- Provide USB, RS232 communication port;
- Provide SDK and demo software to facilitate further development.

SPECIFICATION (Under TA = 25°C unless specified)

<table>
<thead>
<tr>
<th>ITEM</th>
<th>SPECIFICATION</th>
<th>REMARK</th>
</tr>
</thead>
<tbody>
<tr>
<td>RFID Antenna</td>
<td>External</td>
<td></td>
</tr>
<tr>
<td>RFID Reading Distance</td>
<td>40 ~ 50 mm</td>
<td>ISO15693</td>
</tr>
<tr>
<td></td>
<td>20 ~ 30 mm</td>
<td>ISO14443A</td>
</tr>
<tr>
<td>Operating System (OS)</td>
<td>Microsoft Windows CE 6.0/Android 2.3</td>
<td>English</td>
</tr>
<tr>
<td>CPU</td>
<td>SAMSUNG Cortex-A8(1GHz)</td>
<td>Expandable by SD card with maximum capacity to 32GB</td>
</tr>
<tr>
<td>Memory</td>
<td>ROM 256MB/512MB Nand Flash RAM: 256MB/512MB Mobile DDR</td>
<td></td>
</tr>
<tr>
<td>Display Resolution</td>
<td>3.5 In. QVGA color display (240 x 320) or VGA (480x640) touch screen with backlight</td>
<td></td>
</tr>
<tr>
<td>Dimensions</td>
<td>190x75x30 (mm)</td>
<td>H x W x D</td>
</tr>
<tr>
<td>Weight</td>
<td>430g</td>
<td>including battery</td>
</tr>
<tr>
<td>Keyboard</td>
<td>mixed alphabetic and numeric key, Navi-Key, Side Key</td>
<td>Support handwriting input</td>
</tr>
<tr>
<td>1D Laser Scanner</td>
<td>Optional</td>
<td></td>
</tr>
<tr>
<td>2D Imager</td>
<td>Optional</td>
<td></td>
</tr>
<tr>
<td>WLAN / Wi-Fi</td>
<td>√</td>
<td></td>
</tr>
<tr>
<td>GSM / GPRS</td>
<td>Optional</td>
<td></td>
</tr>
<tr>
<td>3G</td>
<td>Optional</td>
<td></td>
</tr>
<tr>
<td>WPAN</td>
<td>Bluetooth 2.1 with EDR</td>
<td></td>
</tr>
<tr>
<td>GPS</td>
<td>√</td>
<td></td>
</tr>
<tr>
<td>Camera</td>
<td>√</td>
<td></td>
</tr>
<tr>
<td>Phone Capability</td>
<td>Built-in speaker</td>
<td>Optional Stereo headphone (jack: 3.5mm)</td>
</tr>
<tr>
<td>Main Battery</td>
<td>3.7V 3400mAh</td>
<td>Li-ion Battery</td>
</tr>
<tr>
<td>Spare Battery</td>
<td>150mAh</td>
<td></td>
</tr>
<tr>
<td>Standard Communication</td>
<td>USB, RS232</td>
<td></td>
</tr>
<tr>
<td>Application Development</td>
<td>PSDK, DCP, SMDK</td>
<td></td>
</tr>
<tr>
<td>Environment sealing</td>
<td>IP65</td>
<td>electronic enclosure, display, keypad</td>
</tr>
<tr>
<td>Storage temperature</td>
<td>-20° C ~ 65° C</td>
<td></td>
</tr>
<tr>
<td>Charging temperature</td>
<td>0° C ~ 40° C</td>
<td></td>
</tr>
<tr>
<td>Operating temperature</td>
<td>-10° C ~ 50° C</td>
<td></td>
</tr>
<tr>
<td>Humidity</td>
<td>5% ~ 95% non-condensing</td>
<td></td>
</tr>
</tbody>
</table>
13.56MHz RFID Handheld Antenna

Size 150mmx115mmx2mm
Handle Length: 385mm
Weight: 330g
Color: Gray & Silver

GENERAL DESCRIPTION

IDT H9185A ANTENNAE is a high performance HF handheld antenna. Based on fully self-intellectual property and proprietary adaptor circuit, IDT H9185A-ANT features sensitive and stable inductive effects and can be widely used in many RFID system such as Library Management, File Tracking, Personnel Identification, Access Control, Anti-counterfeit, Logistics Monitoring, Quality Supervision, Industrial Production Process Control System, Health Care Industry and Finance and Insurance Management, etc.

FEATURES

- Self-intellectual property;
- Supports ISO/IEC15693, NXP EPC, NXP UID, HF EPC protocol tags;
- Input Power up to 1.5 W;
- 1.5m RF cable with SMA socket;
- Classic outline.
Keypad:
- Numeric (alpha) keypad
- 29 distinguished buttons: 0-9 (alpha), scan, ok, del, tab, esc, shift, alt
- 3 mode keys, 6 navigation keys
- Keyboard backlight with individual control for each key

Power:
- Dry battery rechargeable, removable Lithium-Ion battery
- pack 2600 mAh @ 7.4V
- 4800 mAh @ 7.4V with pistol grip
- Up to 30 hrs (standard battery)
- Desktop charging cradle with USB connection
- Desktop charging cradle with spare battery charging slot
- charging time: 2.5 hrs (0 to 90 %) and 5 hrs (0 to 100 %)
- External power supply AC adapter for desktop charger input 100- 240 VAC, 1A, 50-60 Hz /
- Backup battery/batteries Back-up battery for RAM: maintains memory contents for 8 hours Back-up battery for real-time clock: keeps time for 200 days.
- Nominal reading distance: 0-30 cm. Reading speed: up to 30 tags per second. identification for both Bar Code & HF RFID
- Labels, weigh 1kg or less. Supplied with Desktop Charging cradle with USB connection. compatible to communication standards like WLAN or USB
- The portable handheld reader shall feature a touch screen display and use a removable memory card. Must process shelf lists, search lists, and pull lists for programming on memory card.
- Must provide a means for updating the software on the portable handheld reader.
- Software Components: Client Software for Tablet/Notebook.
- Features: long lightweight handheld; performs Stock-checking,
- Re-shelving, and also locates specific items; sorting and monitoring of library material on shelf along with locating misplaced documents; data downloaded to PC / Pocket PC.
- Cordless Portable Reader preferred, Identification for both Bar Code & HFRFID Tags.
- Certification: CE/EMC.