RFID SECURITY SYSTEM GATE

The RFID security gate system is used to detect the EAS bit / AFI mode of the tags within the books that are passing through the gates. If the EAS bits/ AFI mode of the books are still activated, the alarm of the gate will be alerted when the books are passing through the gate.

The security gate is adopted acrylic and metal plate material, integrated reader and three-dimension intelligent controller with high performance and power. It can read label in three-dimension direction and support AFI and EAS modes, with people counter inside this model can be used widely for protection of library, files room, clothes store, warehouse and personnel management etc.

Function features:

- Transparency: Adopted imported acrylic and metal plate material.
- Stability: Adopted software control technology and good stability.
- Sensitivity: Sensitive alarm, security and reliable, no fault alarm.
- Counting function: embedded people counter inside.
- Linkage: Linked management together with access control and monitor systems.
- Installation ways: embedded, cutting, trunking, base plate.

- Controllability: embedded optic-acoustic alarm inside, adjustable volume, remote controller to operate.
- Exceptional tag discrimination & wide-aisle detection capability.
- Slim, unobtrusive, impact-resistant & highly durable.
- Great flexibility- fits easily into areas that are too small for conventional systems
- Rugged & durable - impact resistant thermoplastic & stainless steel end caps

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QUICKDROP BOOKS

Return books directly to the library, with no need to stand in a Queue. Only accept books when authorized user's account is validated through RFID card, pin number, biometric or even simply showing the RFID books. Advance locking system so that books, once returned is not retrievable in any possible way. Integrated with library management software, SMS/email alerts to users.

Available in both Internal and External with Industrial Standard IP Protective Covering.

Function features:

- Metal Enclosure
- Anti-Scratch Coated
- RFID Reader for Card Detection
- RFID Reader for Book Detection,
- Motor Drop, Thermal Printer for Receipts,
- PC & touch display and 1 smart bin fit into the Dropbox
- Integrated with Other RFID Devices in the Library

RFID HANDHELD WAND

The UHF RFID Handheld Stock-Take Reader offers a high efficiency RFID reader engine for high RF sensitivity and able to achieve greater accuracy, higher throughput while providing a longer reading range to the tags. It is an industrial rugged model offering handheld and 'gun-style' reader mainly for intensive tasks for libraries in its stock-take/ inventory checking on books and collections. The handheld reader is able to record the scanned accession numbers into a text file (.txt format). You can email the text file to your inbox. The text file can submit to Inventory Module of Library Management System to check the overall books' status, such as on-shelf, checked out, lost, damaged, withdrawn, not for loan and etc.

Function features:

- Handheld WiFi RFID "wand" antenna with
- lightweight reader
- Ergonomic design for quick and easy inventory
- Precise multi-read capabilities
- Lightweight and portable
- Battery Operated

CONVERTEASE HUB

Library workstation is one of the essential equipment for every library's operation. With innovation and ergonomic design, the workstation is now ready with both EM and RFID features in a single station for various operation. It can be arranged or located at the circulation counter according to the one-self orientation habit. It is able to improve the workflow efficiency and increase effectiveness of the daily library operation.

The workstation is comes with CPU, Monitor, Thermal Receipt Printer, Operation Desk (either EM Desk, RFID Desk or Hybrid Desk) and Barcode Scanner or Mifare reader, The Workstation enables librarians to operate circulation operation where patron check-in and check-out books and collection within the Library. For every circulation transaction, librarian can magnetise and demagnetize the EM Strips by Using EM Desk, or active and deactive the security bit by using RFID Desk.

Function features:

- Tag: ISO15693, ICODE 1
- Operating Frequency: 13.56Mhz
- Max Output: 1W
- RFID read/Write Capabilities
- Patron Card Printer for Card Production

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RFID BOOK LABEL

This Hybrid Tape is beyond the traditional strip such as tattle tape and normal universal EM strip because it combines both Universal EM Strip and UHF RFID tag together.

This Hybrid Tape is an economic strip and it is affordable for most of the libraries even though it is com bin es 2 technologies together. It is very suitable for the library to go for the automation direction using RFID technology and continue using EM Gate as their security gate. It is also reducing the tagging process time as the librarian need only to stick one Hybrid Tape, instead of sticking 2 which is RFID tag and EM strip.
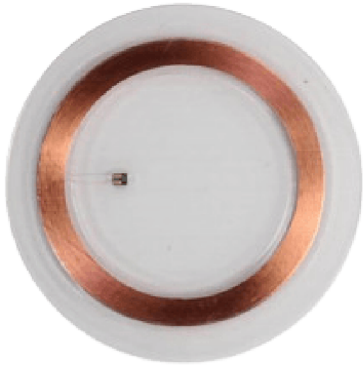
Function features:

- Double layered for enhanced detection
- Can be armed and disarmed repeatedly, retaining original effectiveness.
- Tapes are never lose their effectiveness after repeated arming and disarming.
- Size: 147mm x 6.5mm x 0.25mm

- Double-sided adhesive to hide at book spine just like the others em strips, e.g 3M Tattle Tape.
- Archival quality adhesive will not affect library materials.

Technical Specification

- RFID: EPCglobal Class 1 Gen2 and ISO/ IEC 18000-6c
- Chips: Alien H3
- Frequency: 840-960MHz
- 512 Bits of User Memory
- 96-EPC Bits
- 64 Bit Unique TIO (unalterable serial number)
- 32 Bit Access and 32 bit kill passwords

- User Memory can be Block Perma-Locked as well as read password protected in 64 Bit Blocks
- Low power operation for both read and programming
- Exceptional operating range, up to 10m
- Thin-book Specific RFID tag
- RFID
- Includes the Custom Printing for the Tags

MEDIA RFID LABEL

The Universal EM strips/ Label are fully compatible with 3M, Dialoc and Checkpoint products. The EM strips cater for printed materials as well as CDs/ DVDs. These strips and labels are the latest generation where by each strip is comprising of a twin layer non-ferrite element.

Function features:

- CD/ DVD: allows circulating CD & single sided DVD; protects the CD surface from scratches or damage; super-thin strips will not affect CD reading
- Double layered for enhanced detection
- Can be armed and disarmed repeatedly, retaining original effectiveness
- Strips never lose their effectiveness after repeated arming and disarming
- Archival quality adhesive will not affect library materials.
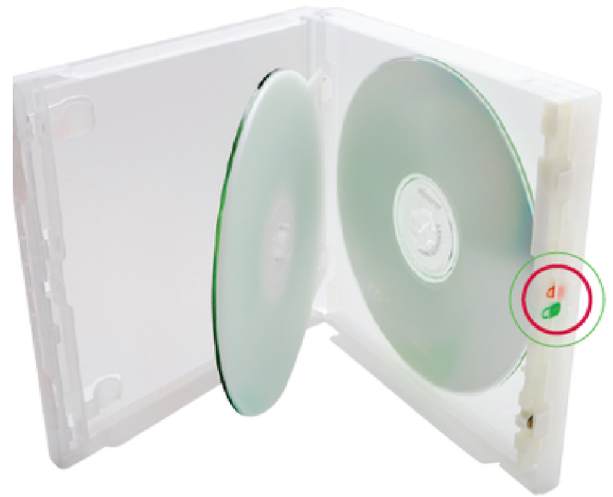
Technical Specification

- Physical - EM Strip 16
- Material: Paper with twin layer non-ferrite
- Size: 16cm x 4mm
- Thickness: 0.2mm
- Packing: 1,000 per box
- Shelf Life: 2 Years

Function features:

- Material: Paper with twin layer non-ferrite
- Size: Diameter 11.3cm
- Thickness: 0.2mm
- Packing: 200 pcs per box
- Shelf Life: 2 Years

- Operation Condition: -40-60 •c, 5-95% RH, No condensation.
- Storage Condition: -20 -45 ·c, 5-95% RH, No condensation.
- ESD: ± 2000V peak

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SECURE DVD MAGNETIC CASE

Holds I-Discs in a Single Case Answering needs for improved cost efficiency and prevention of tampering, the One-Time TM DVD cases feature a totally new internal locking mechanism. along with double overlapping walls that seal the entire case. The One-TimeTM DVD casesallow forquickand effoeffortless unlocking procedure at checkout and they protectassets and EAS/RFID tags because patrons cannot open them. Thecases open with a low-profile, small foot print intelligent key. Red and green colour coding clearly signals whether case is open or locked.

Function features:

- Innovative internal locking mechanism eliminates theft
- Red and green color coding clearly signals whether case is open or locked
- Double-overlapping walls seal the case
- Cases are EAS/RFID ready
- Opens with low-profile to storea variety material
- Open swith the Unlocking Key (item 13-01006)
- Polypropylene construction
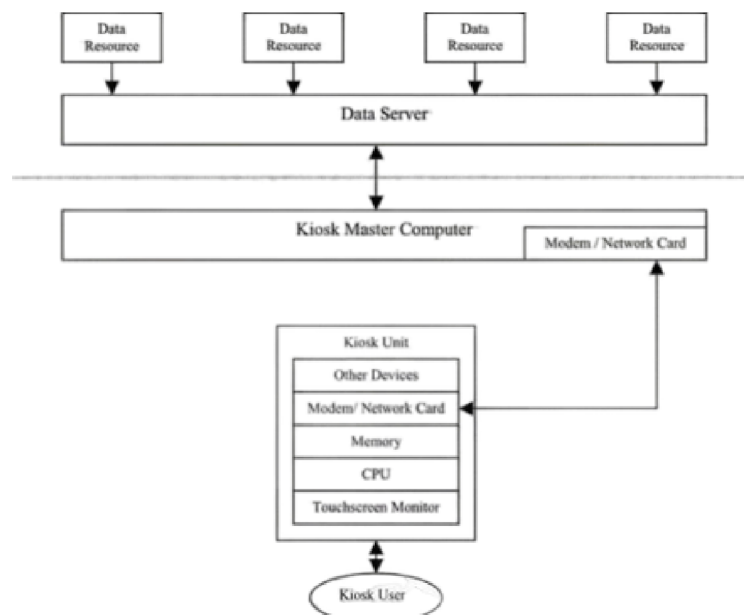
DIGIBOOK EXCHANGE

E-Library Kiosks Hardware are used to provide information to users. It's also useful for library smooth function with the help of information kiosk library provides easy and fast library information to library users like Library OPAC (Books/Journals/Bound Volumes), Library Bibliographic information, Library online resources access etc.

Technical Specification

- Metal Enclosure
- Anti-Scratch Coated

- PC & touch display
- Integrated with Other System in the Library

Technology Architecture

UNLOCKING DVD CASE

With an innovative internal lock that answers libraries need for theft deterrence, the One-TimeTM secures and protects media while eliminating the logistical bottlenecks and related costs of an external removable lock.

The entire case is sealed and reinforced with double-overlapping walls to enhance security and provide maximum protection against the harsh environment of a library drop box. A red-green color coding system clearly indicates when a case is open or locked by a simple swipe through the decoupler key, which conveniently mounts to the check-out counter.

Technical Specification

- Available in confi gurations up to 6 discs in a standard Amaray footprint, 3 discs in Blu-ray footprint, and up to 3 discs in a CD case footprint
- Unique internal lock enables the industry's fastest checkout solution and eliminates a separate inventory item while maximizing shelf density
- Features reinforced case design with double overlapping walls to prevent tampering and theft
- Entire case is sealed, protects EAS and RFID tags
- UMD-11 Decoupler unlocks all variants of One-Time security cases and incorporates a "night lock" to reduce opportunities for internal theft

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LIBRASERVE

Self-checkout (also known as self-service checkout and as semi-attended customer-activated terminal, SACAT) machines provide a mechanism for Library member to process their own library transactions.

They are an alternative to the traditional library-staffed checkout. The library member performs the job of the library staff themselves, by scanning and applying the choice confirmation for the books.

Technical Specifications

- Metal Enclosure
- Anti-Scratch Coated
- RFID Tag: ISO15693, ICODE, TAG-It
- RF Frequency: 13.56Mhz
- Printer: Thermal Printer
- Printer: Thermal Printer
- Multiple Book Read/Write Capabilities
- Integratable to Other RFID Devices in the Library