LSmart

enliven your library...

RFID

EM

HYBRID

In their quest for serving the patrons better, libraries are continually adopting newer and more advanced technologies. To meet that end, LibSys offers LSmart solutions based on RFID and EM technologies, taking automation and security in libraries to a new level. LSmart integrates RFID and EM hardware from world renowned manufacturers with LibSys using its more than two decades of experience in library automation.

LSmart has been proved to be strong on reliability, flexibility and ease-of-operations and combined with robust and quality hardware equipments, results in maximum ROI for customers.

Being futuristic, both Library patrons and staff members enjoy maximum benefits from the deployment of LSmart. This is the outcome of continuous R&D efforts, cost performance analysis and careful understanding of customer's need, at various stages of solution development at LibSys.

LSYS

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RFID

Using RFID Tags on Books/Documents and CD/DVDs, the **RFID-LSmart** facilitate lending process in the library and provides security through EAS gates using the EAS security bit feature on Tags. The practice of lending at counters is shifted to use of self service kiosks and drop boxes by patrons themselves, resulting in shorter queue and quicker operations. The management of items on shelf is improved radically by the use of a Hand Held RFID reader for locating lost/misplaced books, checking order of shelving and stock verification. Key components of RFID LSmart include:

➤ RFID Tags (1024/2048 Bits memory) for Books / Documents and CD/DVDs.

➤ LSmart software at Staff Work Station for tagging and monitoring.

➤ LSmart software at Staff Work Station for lending operations of check-out / check-in / renewal.

➤ Self-use Kiosk for Patrons for check-out of one or more items at a time.

➤ Book Drops for quick check-in of items.

➤ Hand held RFID readers for Shelf Management.

➤ EAS Security Gates

➤ Books Sorters to reduce items replacement times on shelves

The ergonomic User interface of LSmart software, together with its seamless integration with various functions in LIBSYS, optimizes the processes in the library, resulting in maximum benefits to both patrons and library staff.

Identification + Security

EM

By employing concealed EM tapes inside Spine / Gutter of Books and Documents, **EM-LSmart** solution provides for their security through EM gates by demagnetizing / magnetizing the tapes at the lending counter. Its various components include-

➤ EM tapes for Books and CDs/DVDs

➤ EM Gates for Security

➤ Magnetizing / Demagnetizing equipment for EM Tapes

This solution is primarily focused on the security aspect where only few items are processed at a time for magnetizing / demagnetizing. As this technology does not support identification of items, there is no improvement in lending functions and shelf management with EM-LSmart deployment.

Security

Deployment Success

Our highly knowledgeable and experienced workforce ensures that solutions are delivered with no compromise on quality. We take a team approach to give advice to clients on the right investment strategies for optimized library automation. Since the first LSmart solution was deployed in the year 2002 at Bank of Baroda, Learning Resource Centre, Mumbai, we have set up more than 30 LIBSYS sites integrated with LSmart, with each configuration fine tuned to the individual library needs. Introduction of LSmart has changed the working environment in these libraries thereby significantly raising the morale of both staff and patrons.

HYBRID

Support

LSmart solutions have been designed in conformity to all the established regulatory standards to best meet the library requirements. The field proven RFID technology based solution works on 13.56 Mhz (HF) in compliance to ISO/IEC 15693 and ISO/IEC 18000-3 open standards. The tags and the equipments used in our solution carry the required FCC certifications.

Hybrid-LSmart solution is proposed to those libraries which believe that concealed EM tapes are essential part of a security system for documents in the Library.   As EM technology doesn't cater to item identification, the RFID tags are also placed in the Books along with EM tapes to facilitate lending and shelf management processes.

There is also an option for hybrid technology gates in which both RFID and EM are monitored simultaneously for security. This implementation increases investment outlay significantly due to use of two technologies in the solution.

Security + Identification

LIBSYS

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Customer Focused Services

> Consulting Services
> Bound Installation & Delivery
> Local support for software & Hardware supplies
> Phased Approach to scale up whenever Library needs grow
> Initial Tagging & Customer Training
> Solution Updates

Collaborations

TAGSYS, France

Founded in 1996 and serving customers in over 40 countries, TagSys is the pioneer in the RFID Library equipment manufacturing and is a technology leader in market due to its continuous innovations.

www.tagsysrfid.com

Dialoc ID, The Netherlands

Based on long term experience in the field of detection and identification in Libraries, Retail and other Segments, the company manufactures high quality EM products.

www.dialocid.com