



RFID Tags

LIBSYS is automating libraries since 1988 and provides comprehensive, reliable, high performance ISO RFID system on 13.56 MHz (HF) proven technology for libraries. Our unique RFID expertise, combined with in-depth understanding of library business processes makes KSmart-System easy to use and implement in your library. KSmart has been proved to be strong on reliability, flexibility and ease-of-operations and combined with robust and quality hardware equipment results in maximum ROI for libraries.



KSmart-RFID Tags are specially designed for library application. These ultra-thin, flexible HF ISO tags with an electronic chip are applied on Books / CDs/DVDs and can be read without contact and line of sight. RFID Tags have inbuilt EAS / AFI function to ensure detection against thefts and are designed to last lifetime of the item they identify. RFID Tags have lockable section for item identification, re-writable section for library use and security function.

TECHNICAL SPECIFICATIONS

Particulars	 RFID Tags for Books	 Media (CD/DVD)
Frequency	13.56 MHz	
ISO Standards	ISO 15693 and ISO 18000-3	
Memory	2048 Bits R/W EEPROM	
Chip Type	NXP ICODE SLIX2	
Dimensions	50mm X 50mm (± 0.10mm) 80mm X 50mm (± 0.10mm)	40mm diameter (± 0.5mm) 108mm diameter (± 0.5mm)
Overall Thickness	0.45mm	
Data Format	ISO 28560	
Data Retention	Upto 50 years	
Operating Temperature	-40° to +85° C	
Storage Temperature	-40° to +85° C	
Read/Write Cycles	100000	
Format	1000 Tags per Roll	
Warranty	Lifetime to item applied as per standard library guidelines	

LIBSYS Ltd. 631-633, Udyog Vihar, Phase V, Gurgaon – 122 016 / www.libsys.co.in / T: 0124-4894100 / E: info@libsys.co.in

© LIBSYS Ltd. All Rights Reserved. All trademarks are the property their respective owners. This publication and its content are strictly confidential and proprietary to LIBSYS Ltd. No part of this document may be reproduced in whole or part in any form or by any means, without express written permission of LIBSYS Ltd.



RFID Security Gates

LIBSYS is automating libraries since 1988 and provides comprehensive, reliable, high performance ISO RFID system on 13.56 MHz (HF) proven technology for libraries. Our unique RFID expertise, combined with in-depth understanding of library business processes makes KSmart-System easy to use and implement in your library. KSmart has been proved to be strong on reliability, flexibility and ease-of-operations and combined with robust and quality hardware equipment results in maximum ROI for libraries.



KSmart-RFID Security Gates are specially designed for library offering high reliability in securing tagged library collection. RFID gates offer great read range and speed for excellent detection (Overlapping protection zone) and reliability. Its adjustable display and audio alarm alerts library staff for any theft of library material. Provision to store details of items not checkout properly through library. Support for integrated bi-directional people counter counts in and out traffic in a library. Additional I/O ports for integration of other devices including CCTV, Sliding Gates, etc. Support for multiple gates solution with additional EAS pedestals.

TECHNICAL SPECIFICATIONS

Particulars	RFID Security Gates
Frequency	13.56 MHz
ISO Standards	ISO 15693 and ISO 18000-3
RF Power	> 4 W (with anti-collision algorithm)
Detection Range	Upto 160 CMs (depending upon transponder)
Security Modes	EAS & AFI
Dimensions (HXWXD)	1846mm X 546mm X 45mm Base Plate: 620mm X 80mm
Alarms	Lights and Buzzer (adjustable)
Power Consumption	30 W (each)
Operating Temperature	-10° to +70° C
Interface	Ethernet
People Counter	Integrated bi-directional (counts in and out traffic)
Weight	25 Kg (each)
Material	High quality acrylic
Certifications	CE, FCC, UL, RoHS Compliant
Warranty	One year

LIBSYS Ltd. 631-633, Udyog Vihar, Phase V, Gurgaon – 122 016 / www.libsys.co.in / T: 0124-4894100 / E: info@libsys.co.in

© LIBSYS Ltd. All Rights Reserved. All trademarks are the property their respective owners. This publication and its content are strictly confidential and proprietary to LIBSYS Ltd. No part of this document may be reproduced in whole or part in any form or by any means, without express written permission of LIBSYS Ltd.



Portable Handheld Reader

LIBSYS provides comprehensive, reliable, high performance ISO RFID system on 13.56 MHz (HF) proven technology for libraries. Our unique RFID expertise, combined with in-depth understanding of library business processes makes KSmart-System easy to use and implement in your library.



KSmart-Portable Handheld Reader is specially designed for library application. You can read tagged library collection, take stock, look for missing items through KSmart-Client software. Its illuminated large colour touch display and audio alarm provides ease of use to library staff.

TECHNICAL SPECIFICATIONS

Particulars	KSmart-Portable Handheld Reader with KSmart-Client Software
Frequency	13.56 MHz
Read Range / Speed	Upto 30 CMs (depending upon transponder) / Upto 50 tags per second
ISO Standards	ISO 15693 and ISO 18000-3
Dimensions (LXWXD)	168 x 97 x 14.5 mm
Weight	680 grams
Memory	4GB RAM, 64GB ROM, Support Micro SD Card (upto 256 GB), SIM
Display	6.21" Touch Screen (Capacitive)
Operating System	Android 11.0
Operating Temperature	-20° to 60° C
Interface	Wi-Fi (IEEE 802.11b/g) and Bluetooth 5.0
RF Power	>1 W (with anti-collision algorithm)
Battery / Charging	4500mAh Lithium Ion
Certifications	CE, FCC, UL, RoHS Compliant
Warranty	One year
OEM	LIBSYS Ltd. (Based on RFID components from International Brands)

LIBSYS Ltd. 631-633, Udyog Vihar, Phase V, Gurgaon – 122 016 / T: 0124-4894100 / E: info@libsys.co.in

Copyright © LIBSYS Ltd. All Rights Reserved. All referred trademarks are the property their respective owners.

<http://www.libsys.co.in>



LSDigital Library Kiosk

LIBSYS provides comprehensive, reliable, high performance ISO RFID system on 13.56 MHz (HF) proven technology for libraries. Our unique RFID expertise, combined with in-depth understanding of library business processes makes our RFID System easy to use and implement in your library. For more information visit: <http://www.libsys.co.in>



An elegant Digital Library Kiosk designed to go with your library aesthetics which facilitates various functions in a library. It can be integrated with existing LMS to provide access of OPAC to library members. For libraries using LIBSYS / KOHA LMS it will provide below functions:

- Access of OPAC
- Attendance*
- Recording purpose of visit*

*Integration possibilities with the existing system as used in the library, i.e., Barcode, RFID or Mifare Smart Card and option for biometric / facial based member identification. Charges extra.

TECHNICAL SPECIFICATIONS

Particulars	LS Digital Library Kiosk
Kiosk Dimensions (HXWXD)	1400 mm X 500 mm X 500 mm (with LCD)
Interface	Ethernet
Kiosk Enclosure	Metal / Corian
Display	22" Touch Screen / 72P Multi-Touch Display / HDMI Input / USB2.0 / Inbuilt Speakers
CPU	Branded CPU with Windows OS
Warranty	One year
OEM	LIBSYS Ltd.

LIBSYS Ltd. 631-633, Udyog Vihar, Phase V, Gurgaon – 122 016 / T: 0124-4894100 / E: info@libsys.co.in

© LIBSYS Ltd. 2024. All rights reserved. This publication and its content are strictly confidential and proprietary to LIBSYS Ltd. No part of this document may be reproduced in whole or part in any form or by any means.

<http://www.libsys.co.in>







RFID Station

LIBSYS provides comprehensive, reliable, high performance ISO RFID system on 13.56 MHz (HF) proven technology for libraries. Our unique RFID expertise, combined with in-depth understanding of library business processes makes KSmart-System easy to use and implement in your library.



KSmart-RFID Station is specially designed for library staff application. RFID tag once applied to a book and other library material is tagged using KSmart-Client software. It assists in various library circulation activities like checking out, checking in, renewal, monitoring, sorting and admin functions.

TECHNICAL SPECIFICATIONS

Particulars	 RFID Reader with PAD Antenna with KSmart-Client Software	 Optional in Circulation Station
Frequency	13.56 MHz	
Read Range	Upto 30 CMs (depending upon transponder)	
ISO Standards	ISO 15693 and ISO 18000-3 / ISO 28560-2 ISO 14443A (Optional for Mifare Cards)	
Operating Temperature	0° to +60° C	
Interface	USB/Ethernet (Optional)	
RF Power	>1 W	
Casing	ABS (Includes metallic shielding) Options	
Certifications	CE, FCC, UL, RoHS Compliant	
Warranty	One year	
OEM	LIBSYS Ltd. (Based on RFID components from International Brands)	

LIBSYS Ltd. 631-633, Udyog Vihar, Phase V, Gurgaon – 122 016 / T: 0124-4894100 / E: info@libsys.co.in

Copyright © LIBSYS Ltd. All Rights Reserved. All referenced trademarks are the property their respective owners.

<http://www.libsys.co.in>



Self Check Kiosk

LIBSYS provides comprehensive, reliable, high performance ISO RFID system on 13.56 MHz (HF) proven technology for libraries. Our unique RFID expertise, combined with in-depth understanding of library business processes makes LSmart-System easy to use and implement in your library.

For more information on LIBSYS/ LSmart visit:
<http://www.libsys.co.in>



KSmart Self Check Kiosk allows patrons to check-out, check-in, and renewal multiple items without assistance of any library staff. It is an interactive Kiosk with touch screen, having a user-friendly interface through KSmart-Client and integrated with LMS for fast and convenient circulation transactions. Option for member identification through smart card, barcode, biometric or directly entering ID through online keyboard facilitates ease of implementation with the existing library management system.

TECHNICAL SPECIFICATIONS

Particulars	KSmart-Self Check Kiosk	
Frequency	13.56 MHz	
Read Range	Upto 30 CMs (depending upon transponder)	
Kiosk Dimensions (HXWXD)	1520 mm X 600 mm X 240 mm (with Touch Screen and base height). Base Size: 30 mm X 800 mm X 340 mm	
ISO Standards	ISO 15693 and ISO 18000-3 ISO 14443A (Optional for Mifare Cards)	
Operating Temperature	0° to +60°C	
Interface	USB/Ethernet (optional)	
RF Power	>1 W	
Kiosk Enclosure	Metal / DuPont Corian (with toughened glass)	
Printer / Display Unit	Thermal Slip Printer (80 mm) Print Speed: 150 mm / sec. Paper Thickness: 0.06 – 0.15 mm Auto Cutter & Multilingual Print Support	22" Photo Frame Design, IR 10ps Touch, Flexible LCD Arm, Connectivity- Analog, HDMI, MHL, USB & Audio Cable. Tilt: -15°~57° Built-in Speaker: 2W Audio In & Out*1
CPU	Branded CPU	
Options	Self-Checkout Kiosk	
	Self-Checkout / in Kiosk (With books receiving cart: 60 books capacity)	
	Biometric Reader for Member ID	
RFID Certifications	CE, FCC, UL, RoHS Compliant	
Warranty	One year	



LIBSYS Ltd. 631-633, Udyog Vihar, Phase V, Gurgaon – 122 016 / T: 0124-4894100 / E: info@libsys.co.in

Copyright © LIBSYS Ltd. All Rights Reserved. All referenced trademarks are the property their respective owners.

<http://www.libsys.co.in>



RFID Bookdrop

LIBSYS is automating libraries since 1988 and provides comprehensive, reliable, high performance ISO RFID system on 13.56 MHz (HF) proven technology for libraries. Our unique RFID expertise, combined with in-depth understanding of library business processes makes LSmart-System easy to use and implement in your library. LSmart has been proved to be strong on reliability, flexibility and ease-of-operations and combined with robust and quality hardware equipment results in maximum ROI for libraries.



KSmart RFID Bookdrop is state of the art system for returning items to a library, 24 hours a day and 7 days a week, without any

human intervention. The Bookdrop has electro-mechanical chute which is opened on validation of library patron smart card or/and RFID tagged item allowing receiving of library material. Once your library material is accepted, the chute closes automatically, and the item is passed on a conveyor to a book receiving bin. The lighted icon indicators on the 24/7 Bookdrop will intuitively guide the user through the below return process till library item is either processed or rejected.

- Scan your book or patron smart card for opening the return chute.
- Drop the book after which the chute will automatically close.
- The book so accepted shall be registered in the LMS and any exception condition so encountered is alerted for.
- The bookdrop will return to the default position to accept new items.

TECHNICAL SPECIFICATIONS

Particulars	KSmart – RFID Bookdrop
Frequency	13.56 MHz
ISO Standards	ISO 15693 and ISO 18000-3
Operating Temperature	-10° to + 60°C
Interface	Ethernet
RF Power	>1 W
Enclosure	Stainless Steel / Corian
Book Drop Cart	Aluminium Book Cart (100-150 Books)
Optional	22" Touch Screen / High Speed Slip Printer
CPU	Industrial PC with Windows OS
RFID Certifications	CE, FFC, UL, RoHS Compliant
Warranty	One year
OEM	LIBSYS Ltd. (Based on RFID components from International Brands)

LIBSYS Ltd. 631-633, Udyog Vihar, Phase V, Gurgaon – 122 016 / www.libsys.co.in / T: 0124-4894100

/ E: info@libsys.co.in

© LIBSYS Ltd. All Rights Reserved. All trademarks are the property their respective owners. This publication and its content are strictly confidential and proprietary to LIBSYS Ltd. No part of this document may be reproduced in whole or part in any form or by any means, without express written permission of LIBSYS Ltd.