

Smart Library Solution

SMART LIBRARY SOLUTIONS


Reliable MiJin



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Present Library Scenario



System not user-friendly

Outdated/cumbersome library systems lack usability—hard to find functions.



Low smart level

Readers struggle to locate books accurately + long check-out/return waits.



Low book circulation rate

Cumbersome book borrowing/return processes or librarian overload lead to extremely low circulation.



Admin overloaded

Librarians tackle heavy workloads: daily borrowing/return/queries + manual inventory.



Changes via intelligence

Reader self-service

Self-service for readers: book search, transactions & account checks—no librarian help needed.

Library Data Analytics

Intuitive library data view (traffic, collections, circulation) aids purchasing & event decisions.

Diversified librarian work

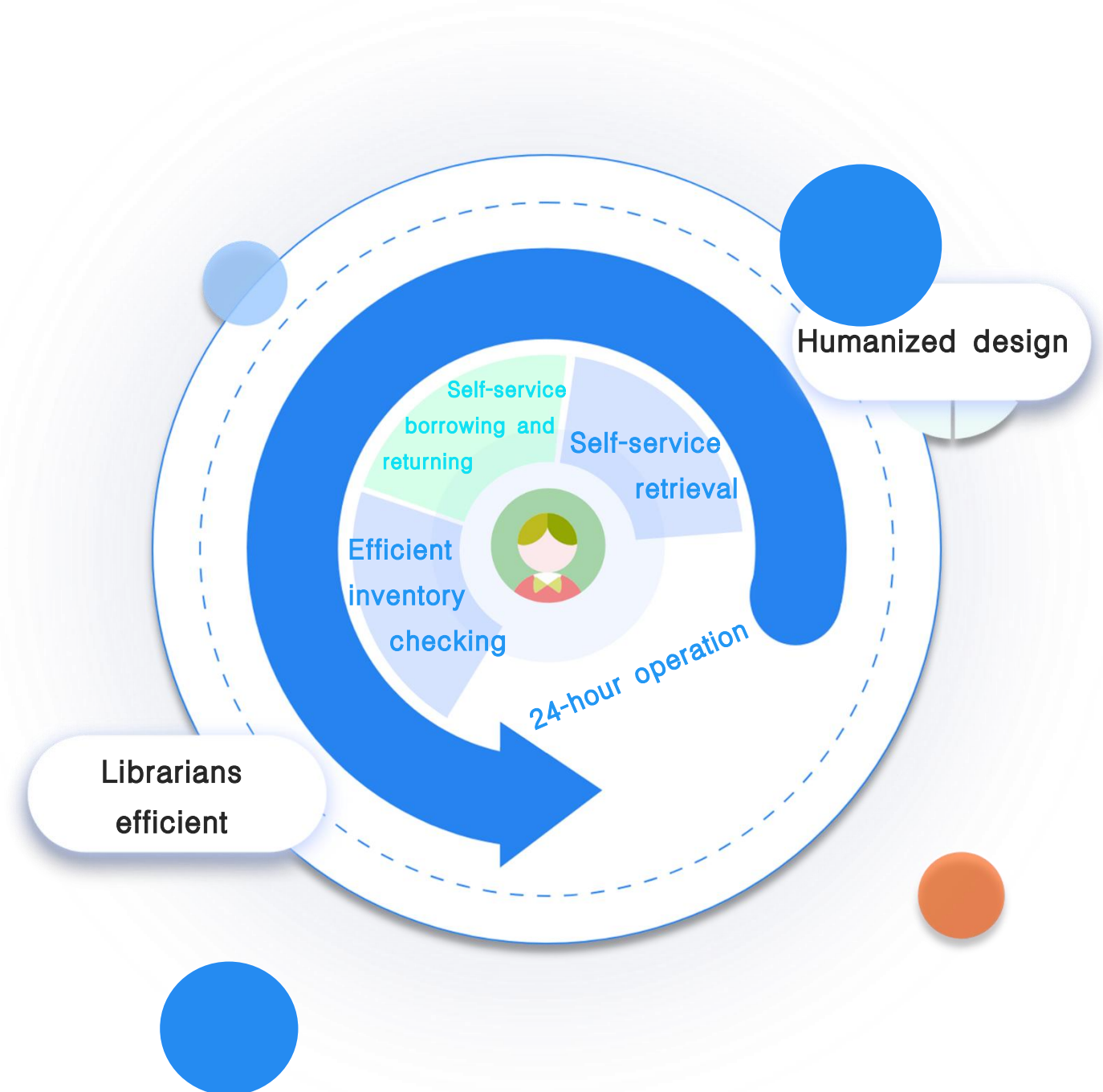
Backend + inventory checking cut librarian workload—free time for lectures/welfare events.

Powerful data analysis

Librarians view data like popular books/borrowing rankings via custom timeframes for decisions.

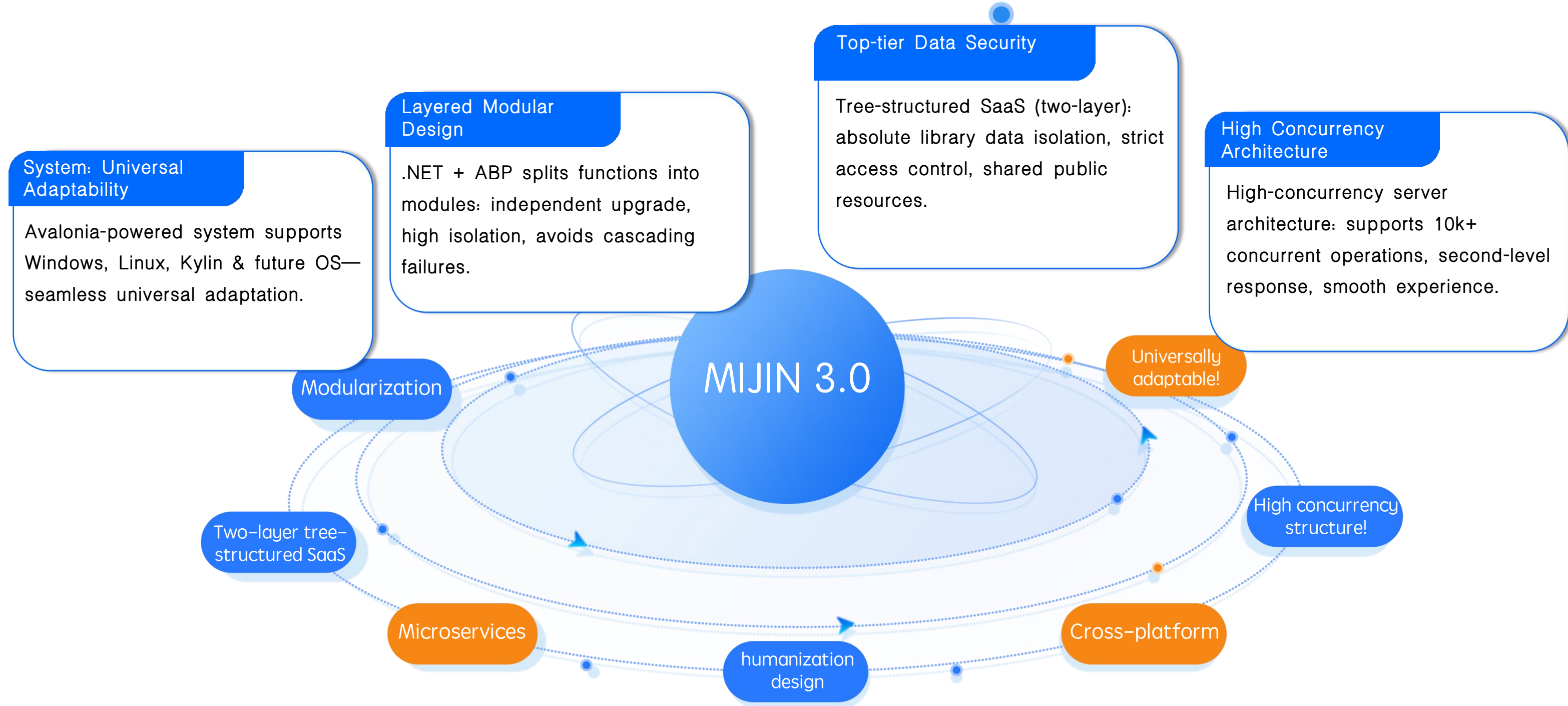
Intuitive Humanized Design

Intuitive, user-friendly system built for needs with full functions.



System Design/Implementation Purpose

Frees librarians via reader self-service; library goes humanized & intelligent.



We are a one-stop global supplier of software, hardware and services, leading the IoT industry to build intelligent solutions and equipment for all libraries, delivering comfort to librarians and readers.

02

Smart Library Solution



Application scenarios



Application scenarios

Smart libraries are not only built in primary and secondary school libraries and university libraries, but also support public county/city library central-branch systems, urban study rooms, institutions, enterprise staff reading rooms, and so on.



Public Library



24-hour Urban Study Room



School Library

Full-Service Library



The construction of a smart library includes a complete set of RFID intelligent systems and equipment, covering everything from front desk reception to back-end management, and from self-service to 24-hour self-service, providing comprehensive services for readers and administrators.

Device Introduction

Borrowing and Returning Series



Self-Checkout & Return Machine

Access Control Series



RFID Security Gate

Access Control Terminal

Backend Management Series



RFID Staff Workstation

Certificate Processing Series



Library Self-Service Card Kiosk

Library Combo Kiosk: Card Issuance & Book Checkout/Return

24-Hr Book Series



24-Hour Book Locker

Navigation Series



OPAC Terminal

Navigation Robot

Book Sterilization Series



Self-service Book Sterilizer

Ozone Book Sterilizer

Smart Inventory Series



RFID Inventory Cart

Handheld Book Inventory Terminal

AI Series



AI Digital Human

AI Inventory Robot

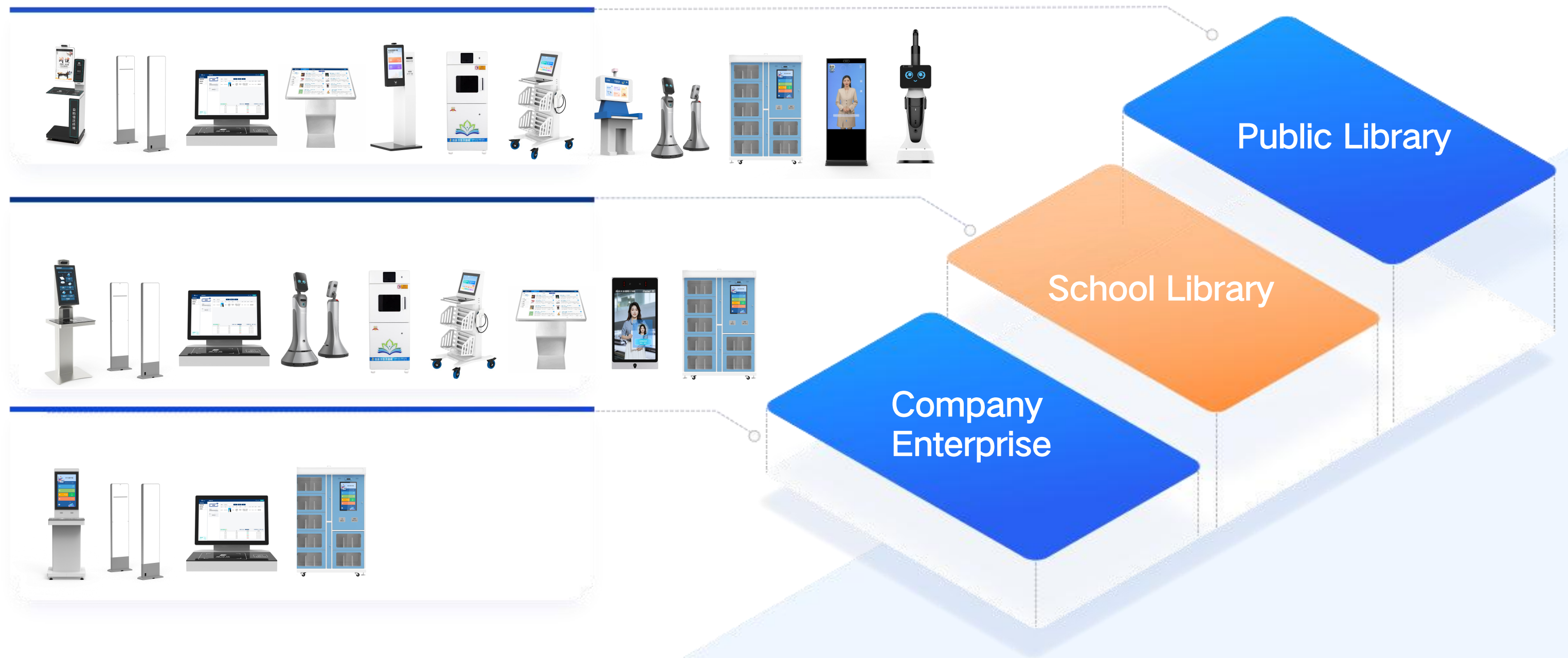
Sorting Series



24-hour Book Return Machine

Book Sorting Line

Common Configuration



Introduction to Smart Terminals

Name	Silver Self-Check & Return Kiosk
Model:	TS180S-GP
size:	600 × 485 × 1565mm
Material:	Sheet Metal & Tempered Glass
Screen:	21.5-inch Capacitive Touchscreen



Premium sheet metal build, integrated with Smart Library Management Platform and full hardware support. Handles all mainstream borrow/return methods, featuring a sleek high-end design, HD LCD display, and smart software-hardware integration for effortless book borrowing, returning, and querying.

Name	Slim Self-Checkout & Return Kiosk
Model:	TS180
size:	515 × 450 × 1529mm
Material:	Sheet Metal & Tempered Glass
Screen:	21.5-inch Capacitive Touchscreen

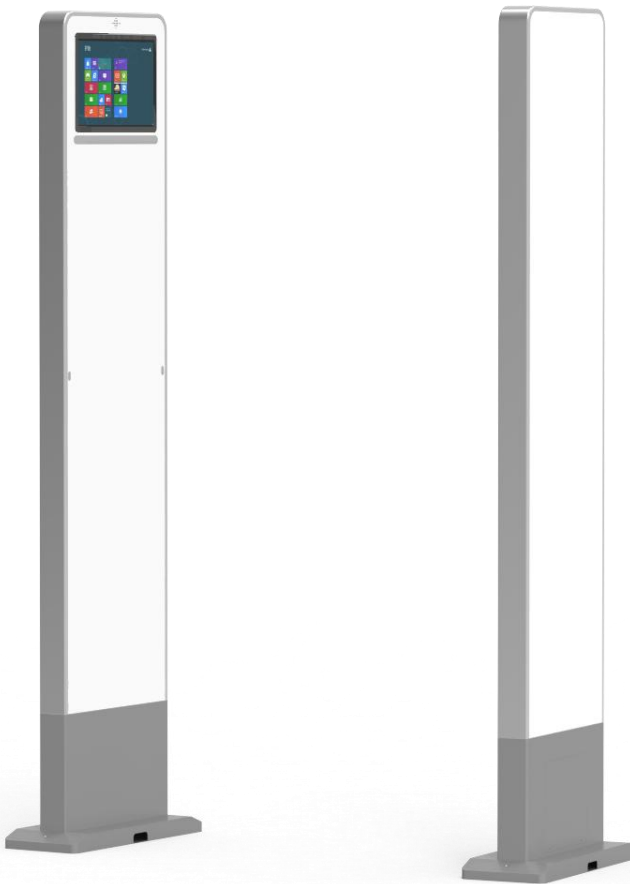


Premium sheet metal build, integrated with Smart Library Management Platform. Supports mainstream card-based borrow/return, features a sleek minimalist design, HD LCD display, and smart software-hardware integration for easy book borrowing, returning & querying.

Introduction to Smart Terminals

Name	UHF RFID Security Gate
Model:	MJ120
size:	1484x370x62mm
Material:	Sheet metal + Aluminum + Acrylic
Screen:	10-inch Capacitive Touchscreen

Name	HF RFID Security Gate
Model:	MJ121-p
size:	1686x635x120mm
Material:	Sheet Metal + Acrylic
Screen:	Optional



Integrated with industrial control system and big data platform. Supports real-time people counting and RFID book detection. Triggers alarms for uncheckout books, notifies administrators. Touch screen displays statistics & alarmed book info, enabling gate configuration.



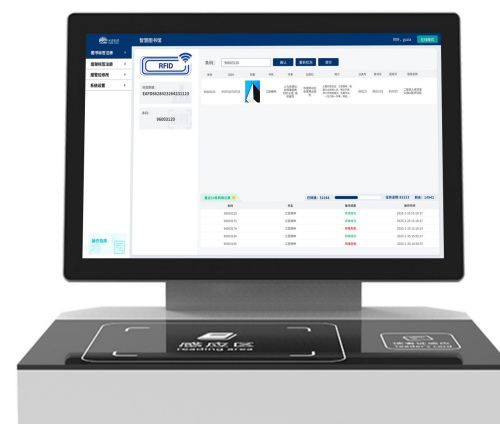
Integrated with big data platform. Supports real-time people counting and RFID book detection. Triggers alarms for uncheckout tags and notifies administrators. An essential component for smart libraries.

Introduction to Smart Terminals

Name	RFID Librarian Workstation
Model:	TS120S
size:	550X456X405mm
Material:	Sheet Metal & Tempered Glass
Screen:	21.5-inch Capacitive Touchscreen

Name	RFID Tag Conversion Station
Model:	TS120
size:	400X260X26mm
Material:	Aluminum & Tempered Glass
Interface:	USB

Touchscreen all-in-one design, integrated with smart library platform. Supports multi-book RFID read/write, tag conversion, and card operations, with self-service borrow/return functionality via touchscreen.



Lightweight design, PC-compatible. Equipped with a powerful integrated RFID reader/writer (supports multi-book processing), specializing in tag conversion to streamline library staff's daily tasks.



Introduction to Smart Terminals



Name	Library Combo Kiosk: Card Issuance & Book Checkout/Return
Model:	MJ200
size:	477X730X1718mm
Material:	Sheet Metal & Tempered Glass
Screen:	32-inch Capacitive Touchscreen

Premium sheet metal build, integrated with Smart Library Management Platform and full hardware support. All-in-one multifunctional kiosk for self-service book borrowing/returning and card issuance.



Name	Silver Curved Screen Self-Check & Return Kiosk
Model:	MJ150
size:	584X480X1500mm
Material:	Sheet Metal & Tempered Glass
Screen:	21.5-inch Curved Capacitive Touch Screen

Premium sheet metal build, integrated with Smart Library Management Platform and full hardware support. Features a curved screen design, handles all mainstream borrow/return methods, and boasts a sleek high-end look, smart software-hardware integration for effortless book borrowing, returning, and querying.

Introduction to Smart Terminals

Name	RFID Inventory Cart
Model:	YH009
size:	1208X481X503mm
Material:	Sheet Metal & Tempered Glass
Screen:	15-inch Capacitive Touchscreen

Premium sheet metal build, integrated with Smart Library Management Platform. Equipped with handheld RFID antenna & desktop read/write area, supports handheld scanning & multi-book shelving. Built-in mobile bookshelf, 6+ hours continuous operation for efficient library inventory.

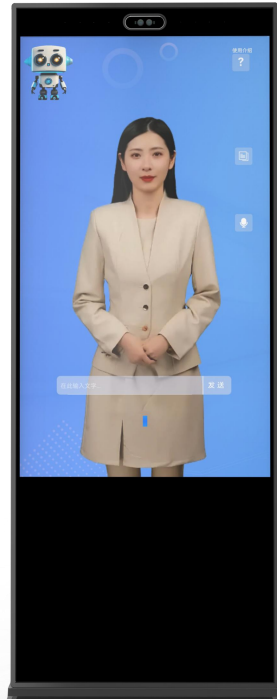


Name	OPAC Terminal
Model:	TG110
size:	Available in 32-inch / 43-inch
Material:	Sheet Metal & Tempered Glass

Integrated with Smart Library Management Platform. Displays library big data and functions as an OPAC system for self-service book searches.



Introduction to Smart Terminals



Name	AI Digital Human
Model:	HTGY01
Material:	Sheet Metal + Tempered Glass
Functions:	AI digital human interaction system (linked to Smart Library Platform). 24/7 voice-touch interaction: book search guidance, library policy answers, big data inquiry.



Name	Self-service Book Sterilizer
Model:	MXDG3
size:	650X600X1590mm



Name	AI Inventory Robot
Model:	ZS-IVR-002
Functions:	AI visual automatic inventory, navigation, etc.



Name	Handheld Book Inventory Terminal
Model:	MJ6800
Battery Life:	12hours
Screen:	5.2-inch touch screen



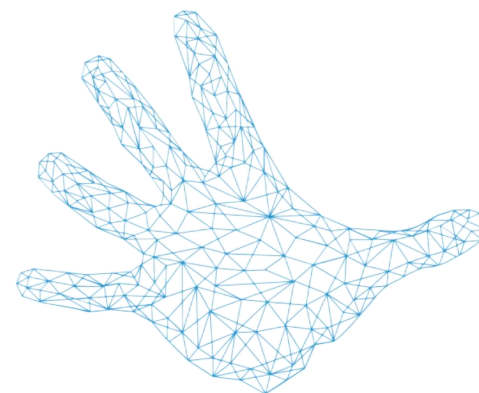
Login Methods



QR Code Scan



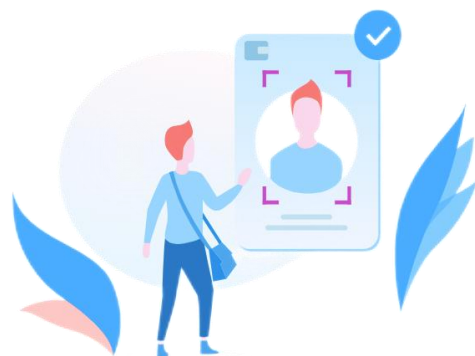
Fingerprint Recognition



Palm Vein Recognition



IC Card Reader



Facial Recognition

密码

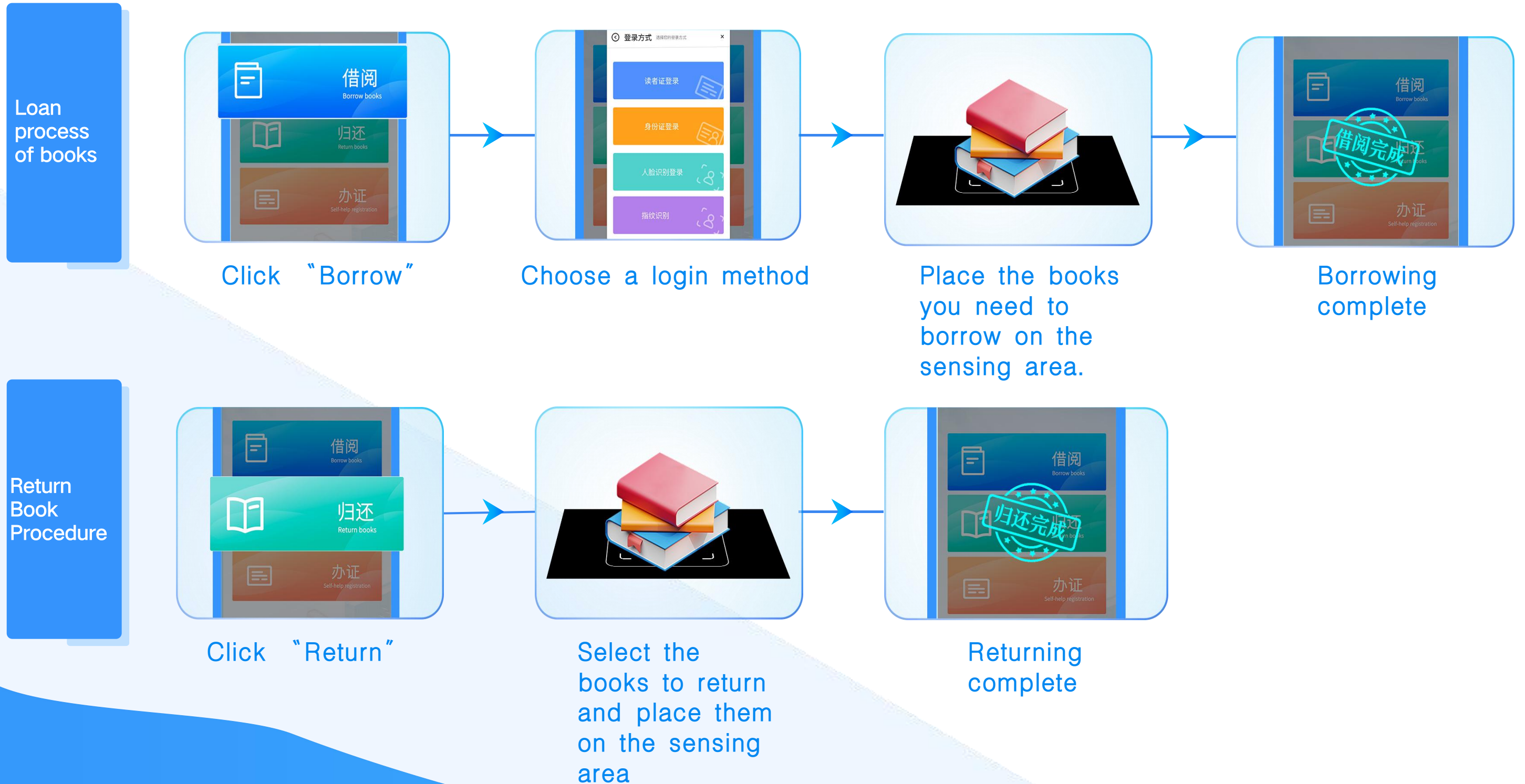
密码

验证

您的密码必须至少为 8 个字符，其中包含数字、大写字母和小写字母。

Username and Password

Borrowing Process



Committed to Improving Library Industry Management

1

Self-check/self-checkout

2

Library Management System (LMS)

3

Library Data Analytics Platform

4

OPAC Search System

5

Mobile Inventory System

Self-check/self-checkout

自助借还

图书馆名称:

图书馆Logo:

自助借还背景:

SHENZHEN LIBRARY 深圳市图书馆
深圳图书馆 09:01:00
2024/02/27 星期一

免押金办理 鹏城励读证
可借中文文献10册/件
+原版外文图书1册/件

借阅书籍 BORROW BOOKS

书籍归还 RETURN BOOKS

查询续借 BORROW BOOKS

自助办卡 BORROW BOOKS

人脸采集 BORROW BOOKS

图书检索 BORROW BOOKS

热门图书

活动通知: e学易用季度阅读之星 (第一季度) 于01月01日0: 03月31日23: 59

活动通知: 6本新书免费借阅 (第一季度) 于01月01日0: 03月31日23: 59

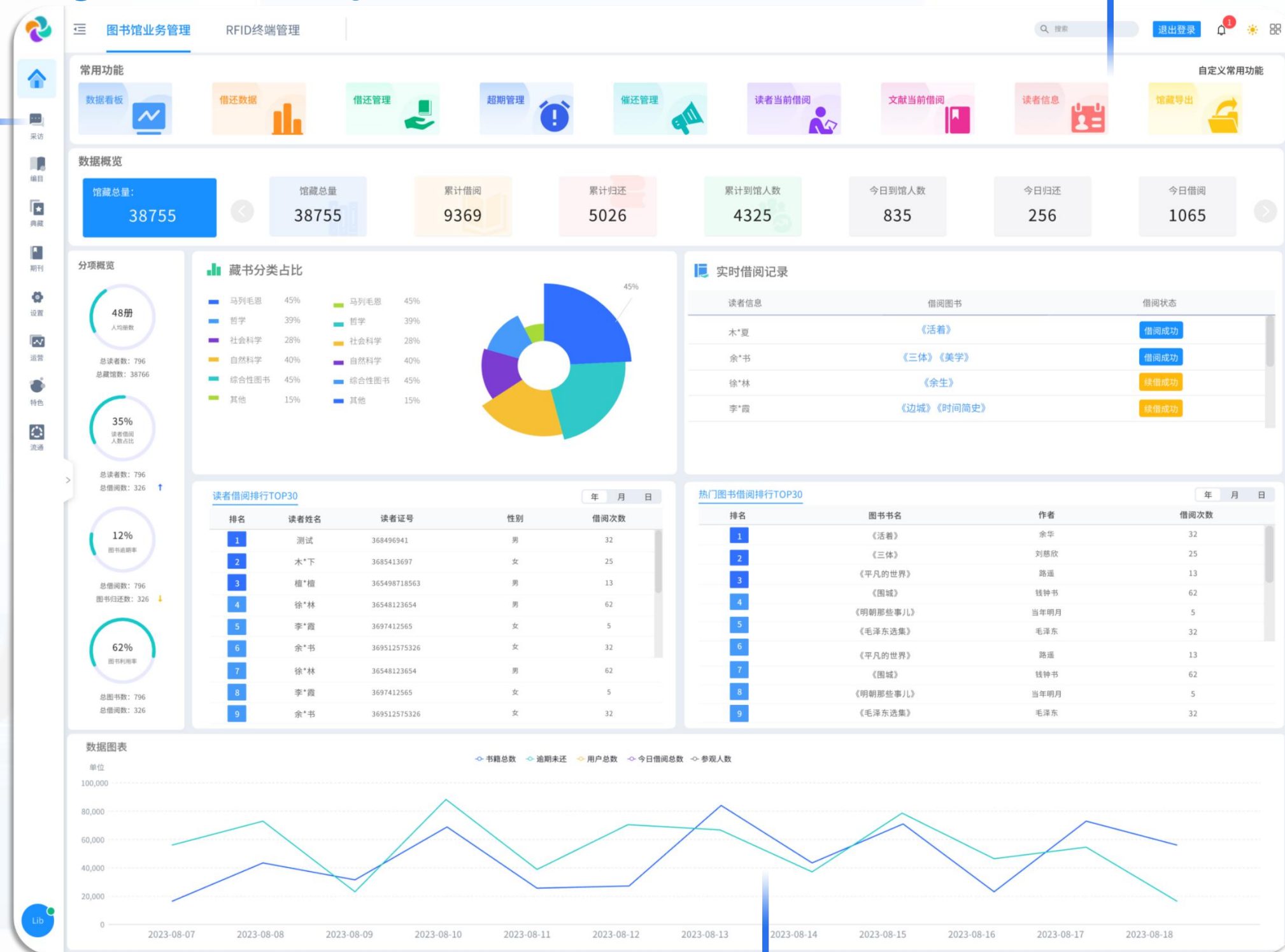


Mijin self-service borrowing and returning system includes functions such as borrowing, returning, searching, card issuance, and personal account management, enabling readers to perform operations independently and freeing librarians from routine tasks.

Library Management System (LMS)

Quick Function Area

Function Bar



Data Statistics

The backend management system emphasizes simplicity and minimalism for quick administrator onboarding. It features clear, concise data and visual presentation to enable easy library status oversight, with streamlined functions supporting straightforward one-step operations.

Library Data Analytics Platform

In-library Data



Book Circulation Rate

Classification Proportion

Borrowing Ranking

In-library Announcement

Real-time Borrowing

New Book Recommendation

Daily Famous Quote

Borrowing Data Statistics

The Library Big Data System serves as a core hub for internal data analysis, presenting a comprehensive overview of library status to readers and administrators. It integrates key information including book circulation rates, collection size, new book recommendations, announcements, and borrowing rankings.

OPAC Search System

In-library
Announcement Personal Center

Reader Login

Top
Search
Queries
Retrieval

Book
Classification

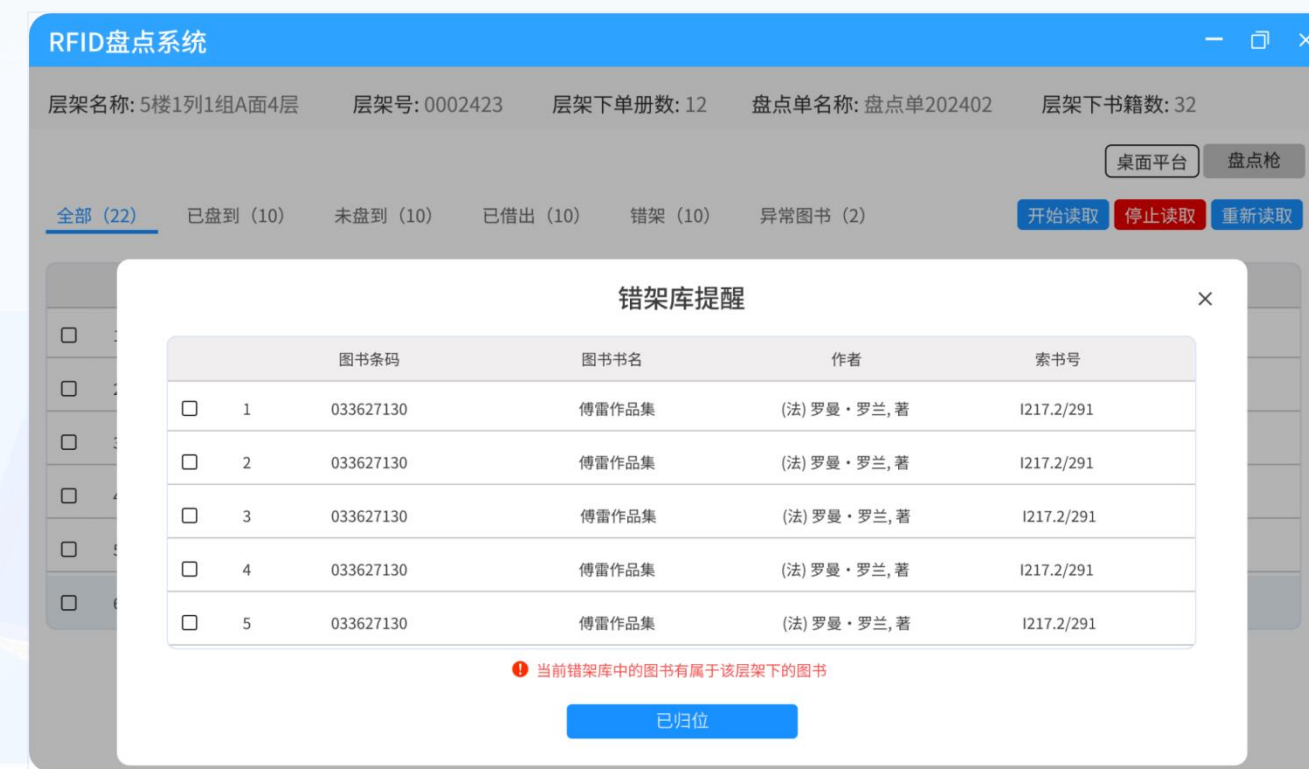
The screenshot displays the OPAC Search System interface. At the top, there are navigation tabs: '图书检索' (Book Search), '图书馆公告' (Library Announcements), and '我的图书馆' (My Library). A 'DADA' logo and a '登录' (Login) button are also visible. Below the navigation is a search bar with a dropdown menu for '题名' (Title) and a '包含' (Contains) dropdown. The search results are displayed in a grid format, showing book covers, titles, authors, publishers, ISBNs, and classification numbers. Each result includes a '详细信息' (Detailed Information) button and a '文献分布' (Document Distribution) button. The results are sorted by '标题' (Title) and '升序' (Ascending).

书籍名称	作者	出版社	ISBN	分类号
龙吟长安	李靖瑜, 著	太白文艺出版社	9787551306836	I247.5
黑童话	斯蒂芬金, 著	湖南文艺出版社	9787551306102	I247.5
初步举证	苏西, 著	四川人民出版社	9787551306123	I247.5
忧郁的秩序	亚当, 著	上海书店出版社	9787551306147	I247.5
音乐之错	马慧元, 著	上海文艺出版社	9787551306455	I247.5
血孩子	巴特勒, 著	中国友谊出版社	9787551306012	I247.5
玲珑塔	苏枕书, 著	北京联合出版公司	9787551306712	I247.5
格外的活法	吉井忍, 著	文汇出版社	9787551306014	I247.5

Collection Retrieval

The OPAC Search System not only allows users to search for books but also serves as a key hub for library announcements and readers to access their personal accounts. With OPAC-enabled search kiosks installed inside the library, readers can conveniently search for books while also checking their borrowing status and viewing library announcements.

Mobile Inventory System



To boost librarian efficiency, the library's mobile inventory system enables efficient collection stocktaking and missing book location. It relieves staff of routine tasks, allowing them to focus on community activities and lectures—enriching services, increasing book circulation, and enhancing reader engagement.

02

Plan and Implementation

Plan & Implementation: Scheme Design



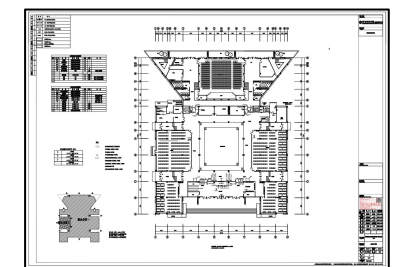
Requirement Proposal

The customer puts forward specific requirements, and we jointly define the preliminary plan direction.



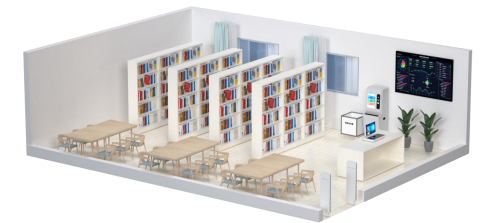
CAD Drawing Planning

Conducted based on actual drawings to guide system/equipment layout.



Design Based on Drawings

Finalized in accordance with the planned drawings.



Delivery and Implementation

Revisions are made per the owner's requirements prior to delivery and implementation.



Some examples of libraries

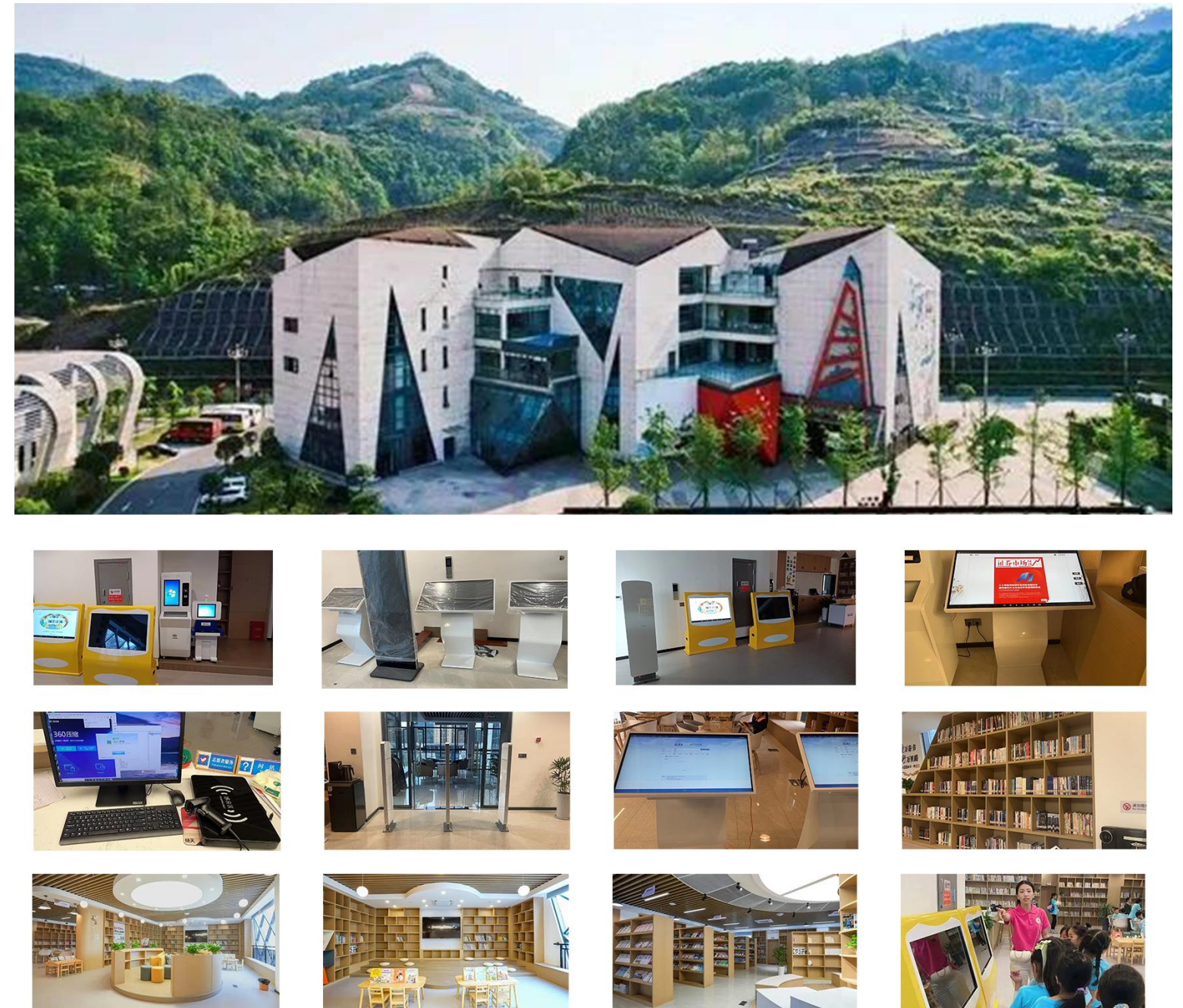
Xinxing County Library

Xinxing County Library is part of Xinxing County's "Four Museums and Two Centers" project. Covering 982 square meters with a three-story main structure, it can accommodate over 500,000 books. Its overall space design and layout draw on the prototype of books and bamboo slips, featuring an aerial book pavilion to create a scholarly atmosphere and showcase the cultural charm of Xinxing's 2,000-year history.



Xingwen County Library

Xingwen County Library, founded in July 2004, covers approximately 1,200 square meters. Its internal facilities include a stack room, electronic reading room, adult reading room, children's reading room, and local documents room—with a collection of over 50,000 volumes spanning books, periodicals, and rare local records. It offers free access to reading resources, digital literacy training, and themed reading activities, fully meeting the diverse reading and cultural needs of citizens of all age groups while fostering regional cultural heritage.



Selected Library Cases

Yinjiang Library

Yinjiang Tujia and Miao Autonomous County Library, established in 1981, holds over 81,000 books. Its new premises features modern intelligent service systems—including 24-hour self-service book lending, intelligent book management, and digital book systems—enabling self-service card issuance and borrowing, as well as intelligent network-wide and multi-dimensional modern cultural services.



Erenhot City Library

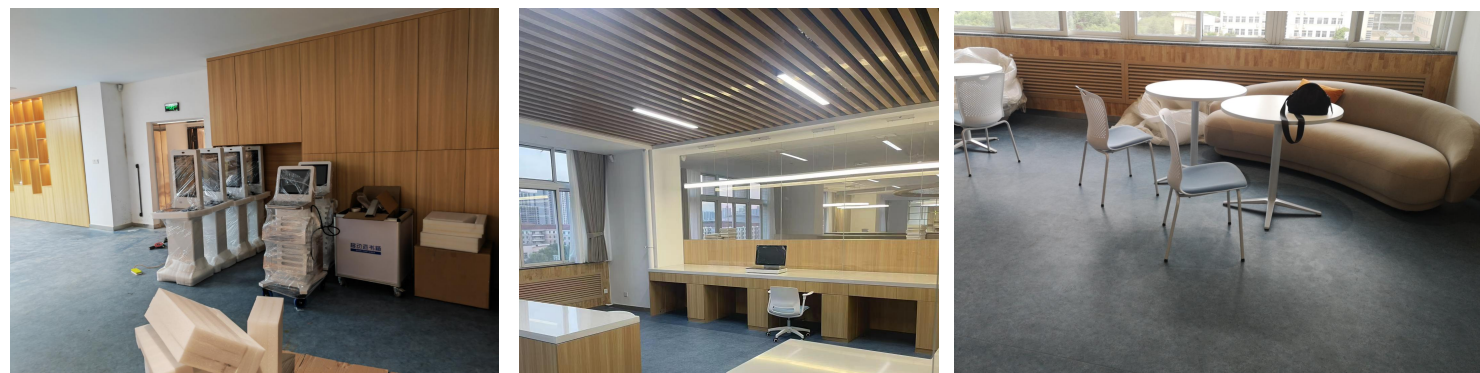
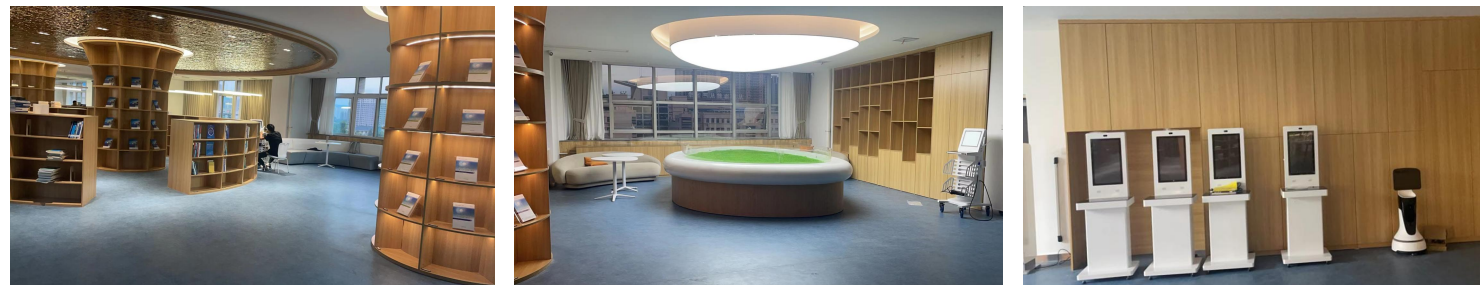
Erenhot City Library, founded in 1989 and designated a section-level public institution under the 1997 "Five Fixes" plan, is the city's sole public library and a pivotal ideological and cultural hub. Boasting a collection of over 60,000 volumes covering books, periodicals, and local chronicles, it offers inclusive services such as free reading, document retrieval, and community cultural lectures, catering to the diverse needs of residents and promoting regional cultural inheritance.



Selected Library Cases

Air Force Engineering University in Xi'an

Air Force Engineering University, situated in Xi'an—a millennium - old ancient capital—by the Chanhe River that nurtured the Banpo civilization and within the modern Chanba Ecological Park, is both a solemn military campus and an elegant academic institution. It acts as the cradle of high-caliber new - type military talents for the People's Air Force and a key base for military technological innovation, and even a knowledge haven where young students can commit to national defense and realize their life aspirations. As a national key university, it is also among the five key comprehensive universities under the military's key development initiative.



Bozhou Preschool Education College

Bozhou Preschool Normal School was established in 1951 and renamed as Bozhou Preschool Normal School in 1988. Currently, it is the only public secondary preschool normal school with an independent organizational system in northern Anhui. In 2015, it was designated as a "Legal Six Entries" demonstration site by the Department of Justice of Anhui Province and awarded the title of "Five-Star Grassroots Party Organization" by the Organization Department of the Municipal Party Committee.



Selected Library Cases

The Business School, The University of Hong Kong (Shenzhen Campus)

The Business School, The University of Hong Kong (Shenzhen Campus), founded in 2022, inherits The University of Hong Kong's prestigious and rigorous academic standards. It introduces international education systems and research to the Chinese mainland, connects the mainland's rich resources with the world, and offers world-class economics and management programs based in Shenzhen.



Shizhen College of Guizhou University of Traditional Chinese Medicine

Shizhen College of Guizhou University of Traditional Chinese Medicine is located in Guiyang, Guizhou Province. It is an independent college approved by the Ministry of Education of the People's Republic of China, co-founded by Guizhou University of Traditional Chinese Medicine and Guizhou Dewei Science and Education Co., Ltd.



Selected Library Cases

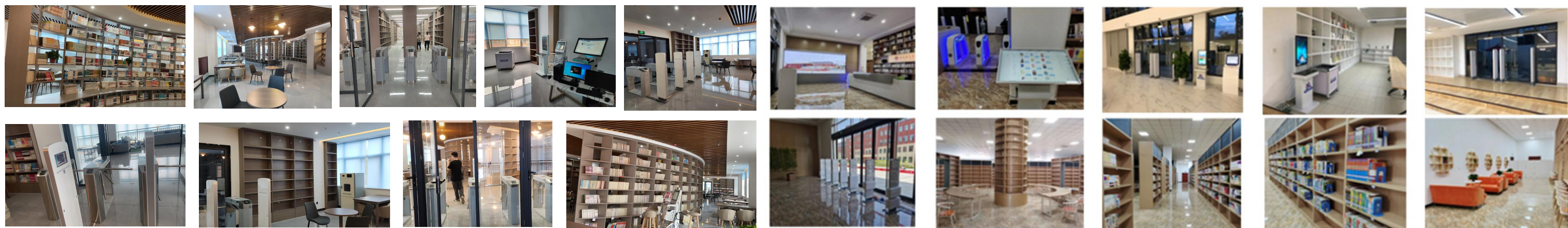
Zhouzhi Middle School in Xi'an

Xi'an Zhouzhi Middle School, a provincial demonstration senior high school with a 70-year history, overlooks the vast Fengling Mountains to the south and adjoins the surging Weihe River to the north. Nurtured by the profound culture of Louguantai—Taoism's ancestral court known as "the world's first blessed land" with a 5,000-year legacy—it is also influenced by the enduring charm of Li Erqu, a Neo-Confucian master of the Qing Dynasty.



Peking University Peiwen School

Born out of Peking University, rooted in Chinese culture, and with a global perspective, Peking University Peiwen School stands as a flagship brand under the basic education sector of Peking University Peiwen Group. It inherits the profound academic heritage and educational essence of Peking University, dedicated to delivering China's most professional basic education and fostering pillars of talent for the nation and the people.



Selected Library Cases

Hainan RDFZ Haikou Experimental School

The RDFZ Haikou Experimental School project is a cooperative education program introduced by the Haikou Municipal Government. It is situated at the former site of Haikou Changde School in the South Zone of Haikou West Coast New District, with a planned total land area of about 194.55 mu.



Xi'an Lugang No.7 Primary School

Lugang No.7 Primary School carries forward the glorious tradition of "diligence, truth-seeking, rigorous study and scholarship" cherished by the people of Jiaotong University. Drawing on the advanced educational concepts and experienced teaching team of the Primary School Affiliated to Jiaotong University, it focuses on the goal of "quality-oriented education and cultivating innovative talents", develops a distinctive curriculum system, and strives to build a new prestigious school in the Chanba International Port Area that features regional characteristics and is oriented towards future education.

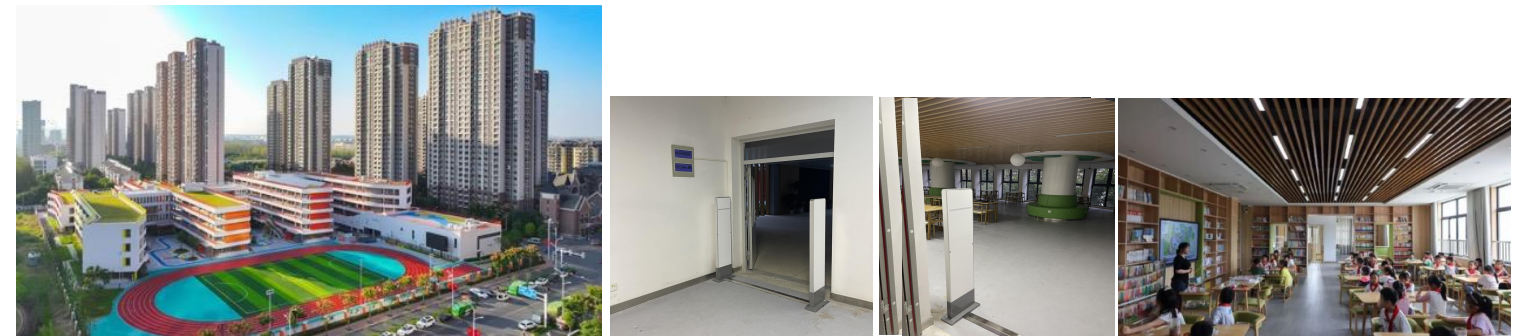


Selected Library Cases

Xi'an Air Force University
 Shizhen College of Guizhou University of Traditional Chinese
 -Medicine
 Bozhou Preschool Education College
 Guangxi City Vocational University
 Xi'an Border and Coastal Defense College
 Nanjing Army Engineering University
 School of Economics and Management, The Chinese
 -University of Hong Kong
 Shanxi Peking University Peiwen School
 Shanxi Hongtong No.2 Middle School
 Shanxi Changzhi No.16 Middle School
 RDFZ Haikou Experimental Middle School
 Qingxian Library
 Wen'an County Library
 Erenhot Library
 Ji'an City Library
 Guizhou Yinjiang Ethnic Library
 Dulan County Library
 Ritu County Library
 Bomi County Library
 Longzi County Library
 Inner Mongolia Armed Police Corps
 Qingdao Coast Guard Corps
 Hedong New Town Nine-year School
 Hunan Xingsha Middle School
 Hebei Zhuozhou Middle School
 Ganzhou Nankang Secondary Vocational School
 Chongqing Fuling Innovation Computer School
 More.....

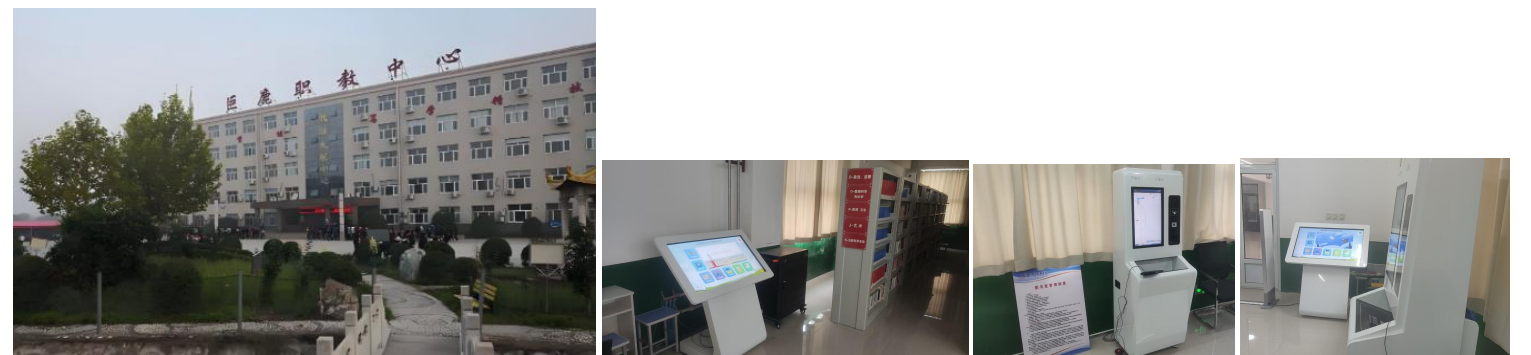
Hefei Nangang No.2 Primary School

Hefei Nangang No.2 Primary School is the first public primary school put into use after Nangang Town, Hefei, was placed under the trusteeship of Hefei High-tech Zone. Officially opened in September 2024, it is located at the northwest corner of the intersection of West Changjiang Road and Tianlong Road in Hefei, covering approximately 39 mu with a building area of 24,688 square meters and a designed capacity of 30 classes.



Julu County Vocational Education Center

Julu County Vocational Education Center, located on Yuanze Road, Julu County Industrial Park, was founded in June 1994. Covering a campus area of 81,143 square meters with a building area of 20,600 square meters, it was upgraded to a national key secondary vocational school in 2010. Currently, it has 112 faculty members, 1,603 full-time students and 38 teaching classes.



Tianjin Experimental Kindergarten

Tianjin Experimental Kindergarten is situated in Hongxing International Apartment Community on Jinbin Avenue, Hedong District. Covering 3,800 square meters with a total building area of 2,800 square meters, it is constructed to the standards of a municipal demonstration kindergarten, boasting 9 teaching classes and a capacity of 270 children.



PARTNER

单位企业

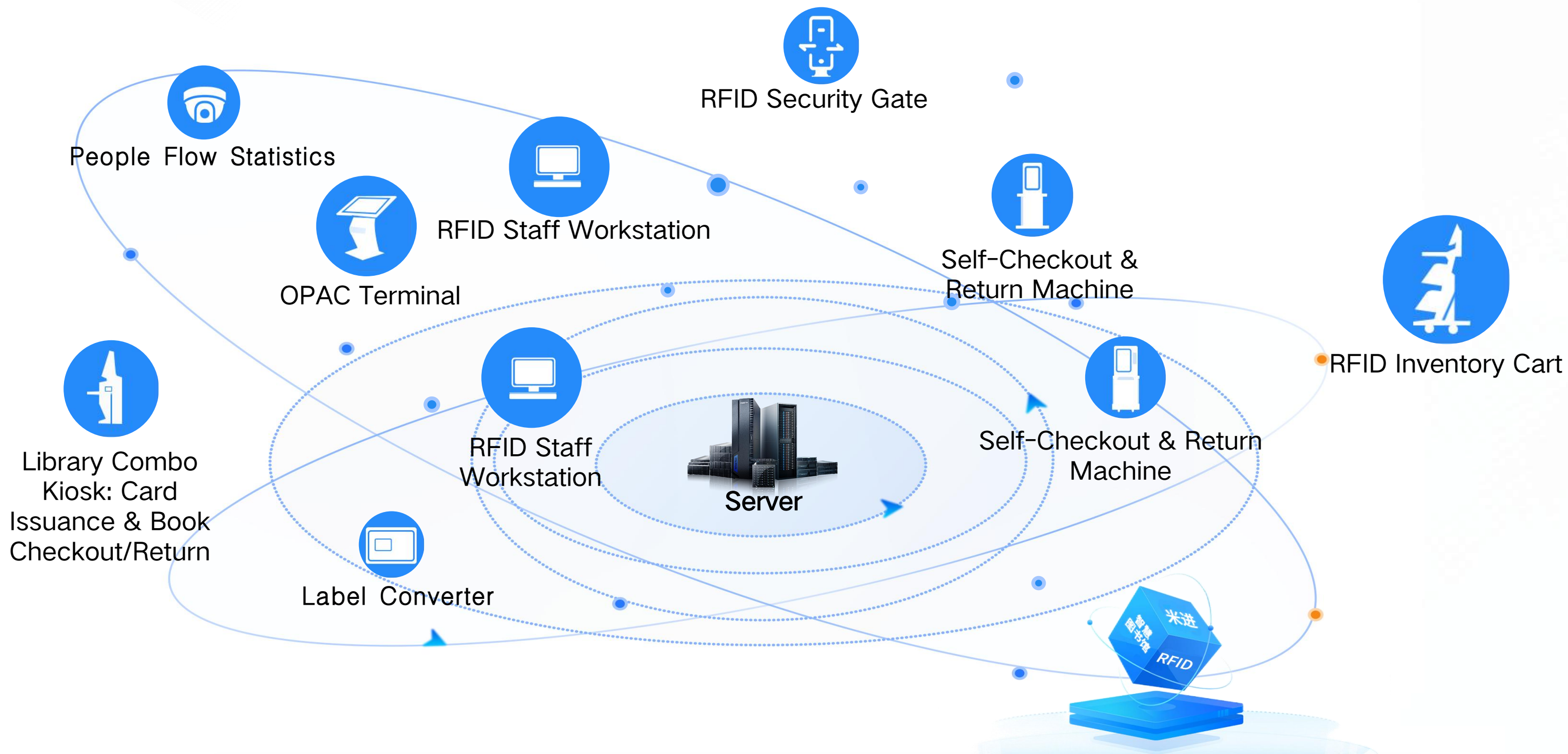
中小学 高校

公共图书馆

书香军营

Partners include: 中国电信 (China Telecom), 深圳市宝安区人民医院 (Bao'an People's Hospital), 中国移动 (China Mobile), 中国体彩 (China Lottery), 中核集团 (CNNC), 北京中医药大学深圳医院 (Shenzhen Hospital of Beijing University of Chinese Medicine), 喜马拉雅 (Ximalaya), 嘉州工程职业学院 (Jiashou Engineering Vocational College), 华扬股份 (Huayang), 聚芒智校 (Jumang Zhi Xue), 新华书店 (Xinhua Bookstore), HFSECURITY, 广州南沙区人民法院 (Nansha District Court), 贵州中医药大学特设学院 (Special College of Guizhou University of Traditional Chinese Medicine), 常德城发 (Changde Urban Development Group), 广西职业技术学院 (Guangxi Vocational College), 都兰县文化馆 (都兰县文化馆), 文安县图书馆 (Wen'an County Library), 北京大学 (Peking University), 慧家乐智能 (HUI+), eClass, 兴文县图书馆 (Xingwen County Library), HiteVision Solutions, and 书香军营 (Reading Army Camp).

Device Connection



Devices connect to the server via network cables or WiFi, with the server being either an on-premises server or a cloud server.

Thank-you-for-watching

深圳市米进科技有限公司

Mijin Information Technology Co.,LTD.

RFID Smart Devices Developer & Manufacturer



Service Hotline: 400-996-7738

Email: mijin@linkearths.com

Website: <https://en.huitulib.com/>

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