

Industrial Intelligent Terminals



 新开普电子股份有限公司
Newcapec Electronics Co., Ltd.

Mission & Vision

■ Mission

To deliver premium ICT services to build smart campuses, empower industrial enterprises and advance digital China.

■ Vision

To become a world-class supplier of digital product solutions.

Core Values

Customer-Centric

Talent-Oriented

Open Innovation

Co>Create &
Win-Win Sharing

Self & Peer
Review

Integrity & Amity

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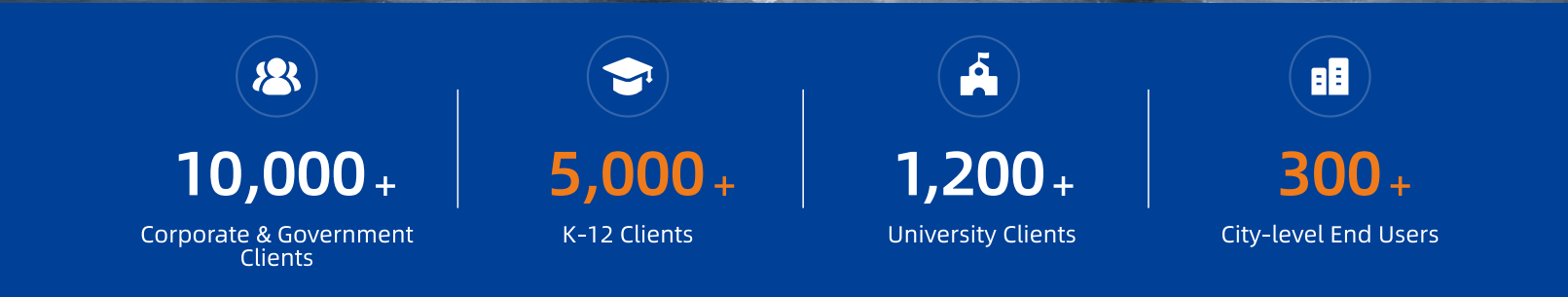
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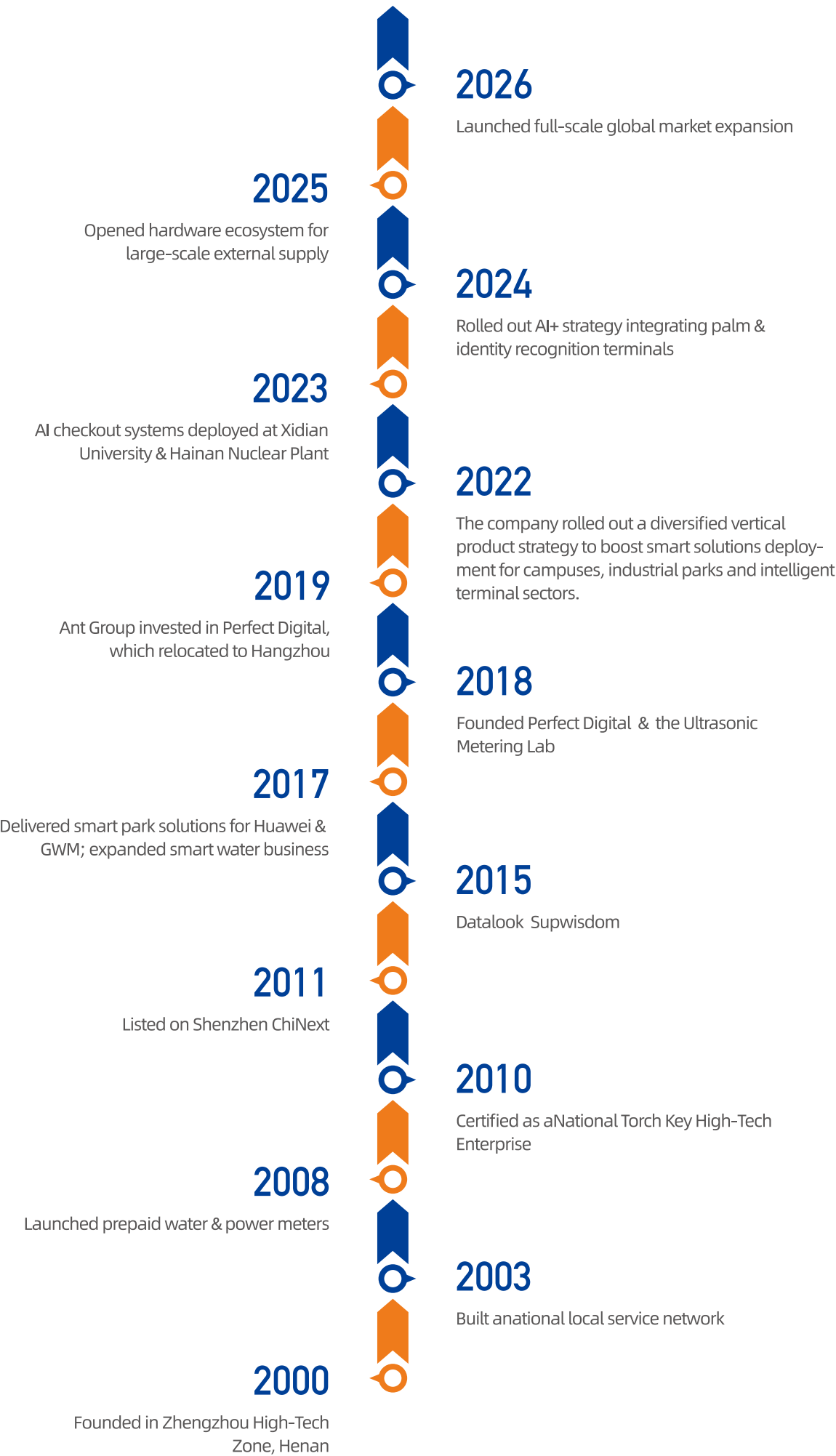
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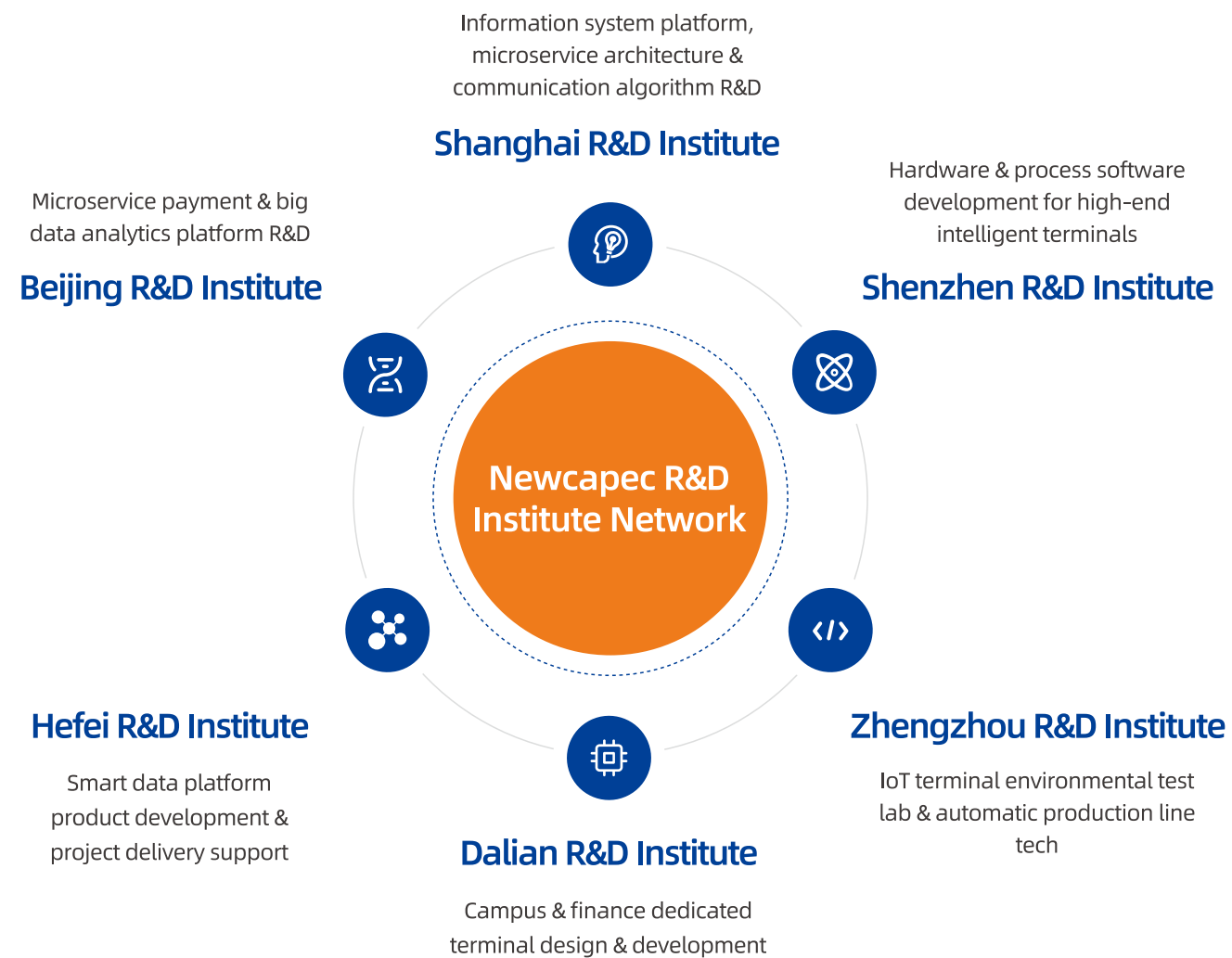


Founded in 2000 (Stock Code: 300248), Newcapec Electronics Co., Ltd. is an integrated supplier engaged in R&D, manufacturing and sales of digital solutions and diversified intelligent terminals for campus, Industrial parks & government campuses, and water metering sectors. We deliver premium ICT services to build smart campuses, empower enterprises and advance digital China, aiming to be a world-class digital solution provider.

Headquartered in Zhengzhou National High-Tech Industrial Development Zone, Henan, we employ over 2,000 staff and operate R&D hubs in Zhengzhou, Beijing, Shanghai, Shenzhen, Dalian, Hefei, and Fuzhou. The group consists of 4 wholly-owned subsidiaries, 6 holding subsidiaries, 8 associate subsidiaries and 7 branches, with offices across more than 100 large & medium-sized cities nationwide. We have delivered smart solutions and intelligent terminals to over 1,000 universities and 10,000 industrial clients.



R&D Capabilities > Layout of Six R&D Institutes



As a national Torch High-Tech Enterprise, we have over 900 R&D staff. Our R&D expenditure in 2023 reached 219 million RMB, accounting for 20.65% of total revenue.

Cross-regional R&D hubs share resources to speed up innovation, strengthen product competitiveness and build global R&D advantages.

IoT Terminal Laboratory



CNAS National Laboratory Accreditation Obtained

Our IoT lab was founded in 2011 and awarded CNAS accreditation in 2015 after standardized management upgrade.

All hardware must pass full reliability tests before mass production, with sampling inspection for every batch.



Surge Immunity Test



EFT Burst Immunity Test



Salt Spray Corrosion Test



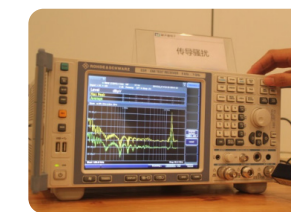
Temperature & Humidity Cycling Test



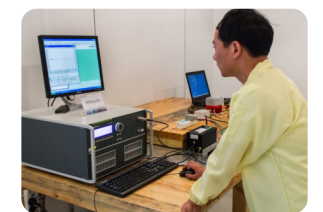
Electrostatic Discharge Test



High & Low Temperature Chamber Test



Conducted
Emission Test



Conducted
Immunity Test

Hardware Terminal Manufacturing Capacity



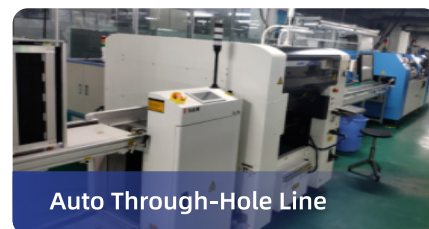
Yingchun St. Park, Zhengzhou High-Tech Zone



Siemens SMT Assembly Line



Dust-Free Soldering Workshop



Auto Through-Hole Line



High-Temp Aging Workshop

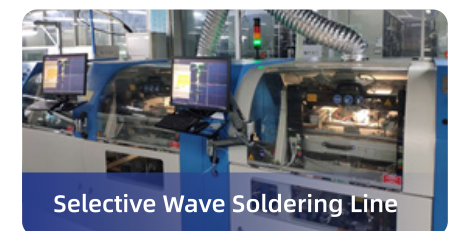
We operate two smart manufacturing bases with a total construction area of around 198,600 m², boasting a monthly output of 900,000 units to fulfill millions of annual hardware orders.

The factory complies with ISO 9001, ISO 14001 and ISO 45001 standards, and adopts MES system for comprehensive production monitoring and quality traceability.

Wenzhu St. Park, Zhengzhou High-Tech Zone



Yamaha SMT Assembly Line



Selective Wave Soldering Line



Automated 3D Warehouse



Finished Goods Assembly Line



Three-Meter Dedicated Calibrator



Robotic Assembly Arms

Nationwide Localized Service Network >

80+ Provincial & Municipal Service Offices
Nationwide



2000 — 2018

Built over 30 provincial direct branches with nationwide coverage



2019 — 2023

Opened 32 municipal offices for on-site local support



2024 and Beyond

Ongoing expansion planto cover over 300 cities nationwide



5-Star After-Sales
Service System
Certification



ITSS Operation & Maintenance Service
System Certification



We serve clients in all provinces and
regions across China

We consists of 4 wholly-owned, 6 holding, 8 associate subsidiaries and 7 branches, with local service outlets in more than 100 large & medium-sized cities nationwide.

Certifications & Honors >

Corporate Certifications

- ISO 27001
- ISO/IEC 20000
- ISO 9001
- ISO 14001
- ISO 45001 OHS
- CMMI Level 5
- CNAS Lab Accreditation
- ITSS O&M Certificate
- 5-Star After-Sales
- CS4 Excellent Grade
- IP Management System
- AAA Credit Rating
- AAA Integrity Enterprise
- High-Tech Enterprise
- Software Enterprise Qualification

Intellectual Property (870+)



- Software Copyrights: 570+



- Patents: 169+

Product Certifications (153+)



- Certifications for products covering card, identity recognition, energy-saving, big data, and energy management.

Awards (216+)



- Top Corporate Awards: 101
- Secondary Corporate Awards: 56
- Product & Project Awards: 59

Test Reports (579+)



- Test reports for product quality, CCC certification, metrology, software registration, software performance, and IT security.



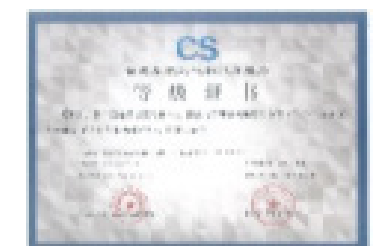
ITSS Certificate



High-Tech Enterprise



CMMI L5



CS4 Certificate



CE



ROHS



FCC

Open Capabilities & Cooperation Modes >

Hardware-Level Open Cooperation

SDK & API open access with full technical support for partners

Scenario-Level Open Cooperation

Custom hardware & software integrated solutions for vertical industries



SDK, API & lightweight apps for fast integration, with support for both cloud & local deployment

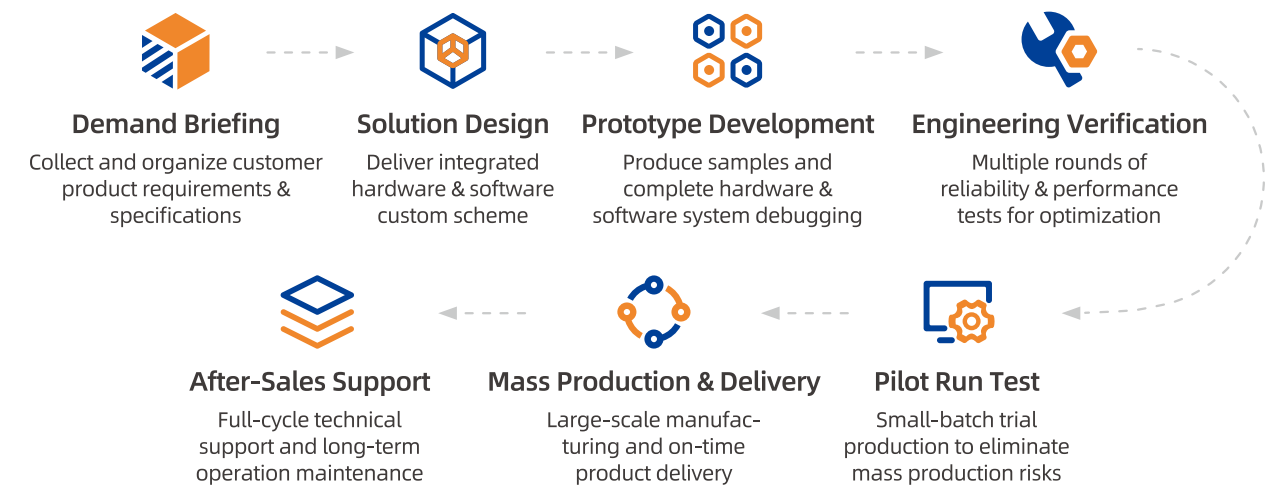
Lightweight smart door lock solution for metering, charging & centralized management

Integrated water & power metering solution for billing & unified control

Customization Capabilities >

Hardware Customization Workflow

We provide OEM & ODM manufacturing, with mature workflows and full tech platforms to deliver one-stop customized intelligent hardware services.



Customization Advantages

Rich customization experience

Rich experience in turnstiles, smart locks, card readers, PCB molding, firmware and integrated hardware & software

Mature customization workflow

One-stop service covering ID design, structural molding, PCBA, trial run and mass production

Domestic design platform

Domestic chips & modules compatible; self-developed platform reduces procurement cost and avoids supply chain risks

Unified standard SDK

Unified standard SDK for fast customer integration & development

Complete product lineup

Full product lineup covering multiple industries to meet diverse client demands

Intelligent hardware management platform

Platform for device management, OTA update, remote data collection & fault diagnosis, compatible with third-party systems

Intelligent Payment Terminals

- Diversified Product Portfolio
- Full-Scenario Coverage
- Smart Payment Experience



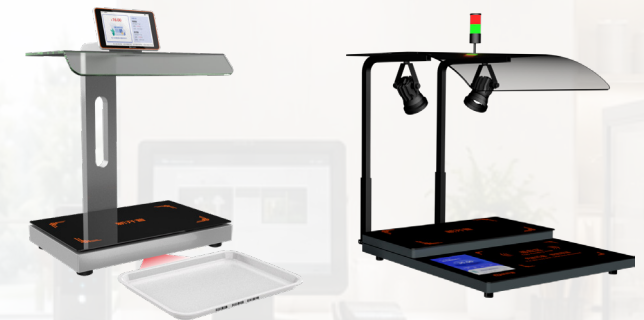
Smart POS Terminal

Multi-mode payment
instant checkout



Weighing & Checkout Station

Efficiency Booster for
Self-Service Canteens



Smart Cash Register Terminal

Multi-function
all-in-one touch device



AI Visual Recognition Checkout Station

AI Visual Recognition
Checkout Station
for Small-Dish Canteens



Smart POS Terminal >

Multi-mode payment for instant checkout

Product Overview

This terminal is applied in restaurant & retail checkout, supports card, QR & facial payment, with cashier, data statistics & report query functions.



Desktop Model



Wall-mounted Model



Desktop Model



Wall-mounted Model

Product Certifications



CCC Certificate



CCC Certificate



Test Report



Test Report



Test Report



Test Report

Key Features



Integrated card, QR code & facial payment



Seamless payment during power and network outages



Rotatable camera with $\pm 15^\circ$ adjustable range



Oil-resistant water-resistant and dust-resistant

Application Scenarios



Retail Store Consumption



Restaurant Consumption

Classic Cases



Tsinghua University



Fudan University



Xiamen University



Great Wall Motors



Bull Group



Yutong Group

Smart Cash Register Terminal >

Multi-function , all-in-one touch device

Product Overview

All-in-one commercial cashier terminal integrated with main controller, touch screen, QR scanner, card reader, facial recognition module and comprehensive peripheral ports.



Key Features



Dual HD touch screens

HD image quality, enhanced customer experience



High-performance processor

Multi-task processing, smooth operation



Professional QR engine

Effortless 1D/2D barcode recognition



Modular design

On-demand selection, optimized cost

Application Scenarios



Classic Cases



Fudan University



Tianjin University



Beijing Institute of Technology



Svolt Energy



Chery Automobile

Weighing & Payment All-in-One Terminal >

Integrated weighing checkout with dual independent displays and high-performance processor

Product Overview

All-in-one commercial weighing checkout terminal built with high-precision sensor, mainboard, touch screen, QR scanner, card reader, facial module & multi peripheral ports.



Key Features



Dual HD touch screen for smooth operation



High-precision commercial weighing sensor



High-performance multi-task processor



CPA measurement certification

Application Scenarios



Classic Cases



Hunan Agricultural University



Dalian University of Technology



Beijing University of Chemical Technology



Hubei University



Baowu Steel Group

Smart On-Board Payment Terminal >

Multi-mode payment for instant, error-free, and high-efficiency checkout

Product Overview

Bus & shuttle cashier terminal integrating facial recognition, card & QR payment under running on a OS for user-friendly operation.



Product Certifications



Appearance
Design Patent



Software
Copyright



Test Report



Test Report



Test Report



Test Report

Key Features



Industrial mainboard
anti-electromagnetic
interference & high
stability



Automotive-grade
high temp, interference
& vibration resistant



Security processor
Secure processor
complying with QMS
standard



4-layer protection
Protection against moisture
water, oil, and shock

Application Scenarios



Classic Cases



Taiyuan Public
Transit



Baoding
Public
Transit



Luoyang
Public Transit



Nanyang
Public
Transit



Changsh
Public Transit



Yancheng
Public
Transit

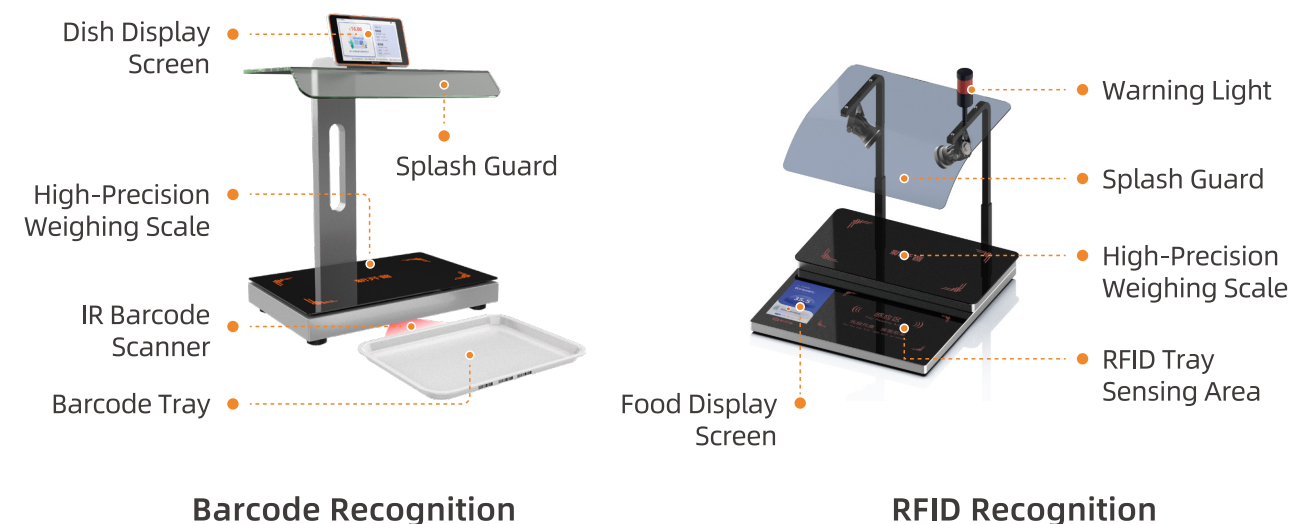
Self-Service Weighing Checkout Station >

Efficiency Booster for Self-Service Canteens

Product Overview

Industrial modular hardware with aluminum & tempered glass construction, dust & oil resistant, easy to clean. Integrated high-precision weighing, HD touch screen, voice broadcast, light alarm & barcode scanner, with multiple peripheral ports for canteen & retail use.

Self-service Weighing Checkout Counter



Usage Process

Method 1



Method 2



Key Features



High-precision commercial weighing sensor



CPA measurement certification



Audio & light alarm to avoid bill evasion



Stable identification for barcode and RFID trays

Application Scenarios



Classic Cases



Northeastern University



China Agricultural University



Chery Automobile



Yadea



C&U Group

RFID Checkout Station >

Efficiency Booster for Small-Dish Canteens

Product Overview

Cold-rolled steel & tempered glass construction waterproof & oil-proof for easy cleaning. Built-in 13.56MHz high-frequency RFID reader for multi-tray simultaneous identification, with industrial mainboard for ong-term stable operation. Dual HD screens, integrated card, QR & facial payment modules for high-frequency canteen scenarios.



Desktop Embedded Model



No Waiting Zone Model



Left / Right Channel Model

Key Features



Dual antenna design, anti-interference & stable reading



Adjustable RFID reader power for diverse environments



Wear-resistant tempered glass countertop, easy maintenance



Multi-mode payment: fast facial recognition checkout

Application Scenarios



Self-service Campus Canteen



Self-service Corporate Canteen

Classic Cases



Mengniu



China Southern Airlines



Chery Automobile



Jiangsu Nuclear Power



East China Normal University

AI Vision Recognition Checkout Station >

Efficiency Booster for Small-Dish Canteens

Product Overview

Hardened tempered glass countertop, wear & stain resistant for easy cleaning. Equipped with HD camera & soft fill light to capture food images under complex canteen lighting. Built-in industrial AI computing board for fast On-device food recognition, dual independent interactive screens, and multi-mode payment module for intelligent self-checkout.



Key Features



HD AI camera with clear & accurate recognition



Soft fill light, strong environmental adaptability



Wear-resistant tempered glass countertop, easy maintenance

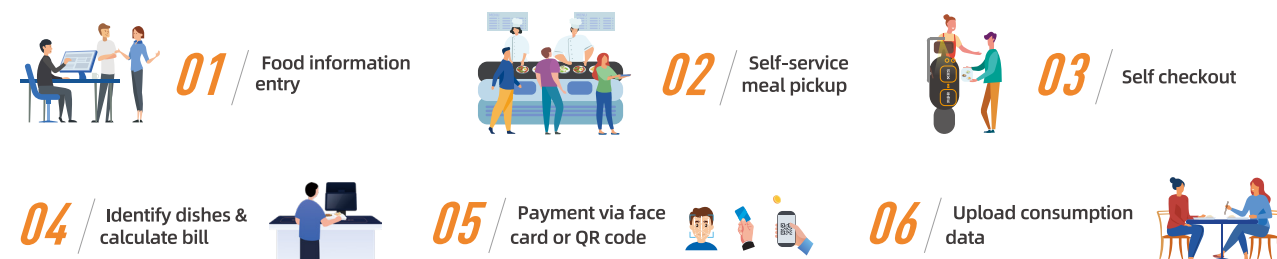


Multi-mode payment, fast facial recognition checkout

Application Scenarios



Usage Process



Classic Cases



Wuhan HSD
Technology
Co., Ltd.



Hainan
Nuclear
Power



Bull Group



Jinshiyuan
Liquor



East China
Normal
University

Facial Recognition Payment Terminal

Product								
Order Code	A732103-C-0001	A832103-C-0001	A732J03-C-0001	A832J03-C-0001	A73210B-C-0001	A83210B-C-0001	A732160-C-0001	A832160-C-0001
Product Name	Smart POS Terminal	Smart POS Terminal	Smart POS Terminal	Smart POS Terminal	Smart POS Terminal	Smart POS Terminal	Smart POS Terminal	Smart POS Terminal
CPU	Octa-core Processor		Octa-core Processor		Octa-core Processor		Octa-core Processor	
Memory & Storage	2GB RAM+16G EMMC		2GB RAM+16G EMMC		2GB RAM+16G EMMC		2GB RAM+16G EMMC	
Operating System	Android		Android		Android		Android	
Display Screen	Front: 8" touch screen, 1280×800 resolution; Rear:5" screen,1280×720 resolution		Front: 8" touch screen, 1280×800 resolution; Rear:5" screen,1280×720 resolution		Front: 8" touch screen, 1280×800 resolution; Rear:5" screen,1280×720 resolution		Front: 8" touch screen, 1280×800 resolution; Rear:5" screen,1280×720 resolution	
Card Reading	Mifare 1, CPU card & mobile NFC, compliant with ISO/IEC14443		Mifare 1, CPU card & mobile NFC, compliant with ISO/IEC14443		Mifare 1, CPU card & mobile NFC, compliant with ISO/IEC14443		Mifare 1, CPU card & mobile NFC	
SAM Card Slot	2 PSAM slots (5 optional), 1 SIM card slot		2 PSAM slots (5 optional), 1 SIM card slot		2 PSAM slots (5 optional), 1 SIM card slot		2 PSAM slots (5 optional), 1 SIM card slot	
QR Code Recognition	QR Code, Code128, Code39 etc.; 360° rotation, ±45° tilt & deflection		QR Code, Code128, Code39 etc.; 360° rotation, ±45° tilt & deflection		-		QR Code, Code128, Code39 etc.; 360° rotation, ±45° tilt & deflection	
Camera	-		-		2MP IR dual binocular camera		2MP IR dual binocular camera	
External Interfaces	1×RJ45,1×RS232,1×USB2.0(OTG),1×USB Device		1×RJ45,1×RS232,1×USB2.0(OTG),1×USB Device		1×RJ45,1×RS232,1×USB2.0(OTG),1×USB Device		1×RJ45,1×RS232,1×USB2.0(OTG),1×USB Device	
Communication Mode	TCP/IP,WiFi		TCP/IP,WiFi,4G		TCP/IP,WiFi		TCP/IP,WiFi	
Audio-visual Prompt	Human voice broadcast prompt		Human voice broadcast prompt		Human voice broadcast prompt		Human voice broadcast prompt	
Power Supply	DC 12V		DC 12V		DC 12V		DC 12V	
Battery	5000mAh lithium battery		5000mAh lithium battery		5000mAh lithium battery		5000mAh lithium battery	
Overall Dimension	272*228*104(mm)	185*230*55(mm)	272*228*104(mm)	185*230*55(mm)	272*228*104(mm)	185*230*55(mm)	272*228*104(mm)	185*230*55(mm)
Operating Temperature	-10°C-60°C		-10°C-60°C		-10°C-60°C		-10°C-60°C	
Operating Humidity	10%-93% RH, non-condensing		10%-93% RH, non-condensing		10%-93% RH, non-condensing		10%-93% RH, non-condensing	

Facial Recognition Payment Terminal

Product								
Order Code	A732161-C-0001	A832161-C-0001	A732J60-C-0001	A832J60-C-0001	A732J61-C-0001	A832J61-C-0001	A732P01-C-0001	A832P01-C-0001
Product Name	Smart POS Terminal	Smart POS Terminal	Smart POS Terminal	Smart POS Terminal	Smart POS Terminal	Smart POS Terminal	Smart POS Terminal	Smart POS Terminal
CPU	Octa-core Processor		Octa-core Processor		Octa-core Processor		Octa-core Processor	
Memory & Storage	2GB RAM+16G EMMC		2GB RAM+16G EMMC		2GB RAM+16G EMMC		2GB RAM+16G EMMC	
Operating System	Android		Android		Android		Android	
Display Screen	Front: 8" touch screen, 1280×800 resolution; Rear:5" screen,1280×720 resolution		Front: 8" touch screen, 1280×800 resolution; Rear:5" screen,1280×720 resolution		Front: 8" touch screen, 1280×800 resolution; Rear:5" screen,1280×720 resolution		Front: 8" touch screen, 1280×800 resolution; Rear:5" screen,1280×720 resolution	
Card Reading	Mifare 1, CPU card & mobile NFC		Mifare 1, CPU card & mobile NFC		Mifare 1, CPU card & mobile NFC		Mifare 1, CPU card & mobile NFC	
SAM Card Slot	2 PSAM slots (5 optional), 1 SIM card slot		2 PSAM slots (5 optional), 1 SIM card slot		2 PSAM slots (5 optional), 1 SIM card slot		2 PSAM slots (5 optional), 1 SIM card slot	
QR Code Recognition	QR Code, Code128, Code39 etc.; 360° rotation, ±45° tilt & deflection		QR Code, Code128, Code39 etc.; 360° rotation, ±45° tilt & deflection		QR Code, Code128, Code39 etc.; 360° rotation, ±45° tilt & deflection		QR Code, Code128, Code39 etc.; 360° rotation, ±45° tilt & deflection	
Camera	2MP IR dual binocular camera		2MP IR dual binocular camera		2MP IR dual binocular camera		2MP IR dual binocular camera	
External Interfaces	1×RJ45,1×RS232,1×USB2.0(OTG),1×USB Device		1×RJ45,1×RS232,1×USB2.0(OTG),1×USB Device		1×RJ45,1×RS232,1×USB2.0(OTG),1×USB Device		1×RJ45,1×RS232,1×USB2.0(OTG),1×USB Device	
Communication Mode	TCP/IP,WiFi		TCP/IP,WiFi,4G		TCP/IP,WiFi,4G		TCP/IP,WiFi,5G	
Audio-visual Prompt	Human voice broadcast prompt		Human voice broadcast prompt		Human voice broadcast prompt		Human voice broadcast prompt	
Power Supply	POE		AC220 or DC12V		POE		AC220 or DC12V	
Battery	5000mAh lithium battery		5000mAh lithium battery		5000mAh lithium battery		5000mAh lithium battery	
Overall Dimension	272*228*104(mm)	185*230*55(mm)	272*228*104(mm)	185*230*55(mm)	272*228*104(mm)	185*230*55(mm)	272*228*104(mm)	185*230*55(mm)
Operating Temperature	-10°C-60°C		-10°C-60°C		-10°C-60°C		-10°C-60°C	
Operating Humidity	10%-93% RH, non-condensing		10%-93% RH, non-condensing		10%-93% RH, non-condensing		10%-93% RH, non-condensing	

All-in-one POS Terminal Series

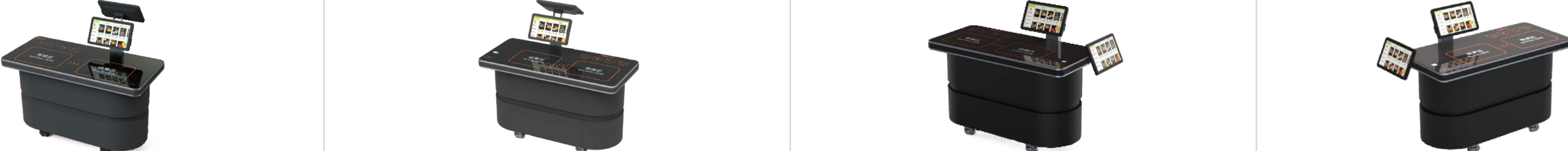
Product				
Order Code	A903160-C-0001	A903170-C-0001	A904101-C-0001	B602J60-C-0001
Product Name	Smart Cash Register Terminal	All-in-one checkout terminal	Weighing & Payment All-in-One Terminal	Smart On-Board Payment Terminal
CPU	Octa-core Processor			Octa-core Processor
Storage	2GB RAM+16G EMMC			2GB RAM+16G EMMC
Operating System	Android			Android
Display Screen	11.6"+11.6" color screen, 1080P resolution, multi-point capacitive touch	11.6"+15.6" color screen, 1080P resolution, multi-point capacitive touch	15.6"+15.6" color screen, 1080P resolution, multi-point capacitive touch	Front screen:7" color display, 1024×600 resolution
Card Reading Function	Mifare 1, CPU card & mobile NFC			Mifare 1, CPU card & mobile NFC
SAM Card Slot	2 PSAM slots (5 optional), 1 SIM card slot			5 PSAM slots (5 optional), 1 SIM card slot
QR Code Recognition	QR Code, Code 128, Code 39 and other barcodes			QR Code, Code 128, Code 39 and other barcodes
Camera	2MP IR dual binocular camera			2MP IR dual binocular camera
External Interfaces	1×RJ45, 1×RS232, 1×USB2.0(OTG), 1×USB Device			1×RJ45, 1×RS232, 1×USB2.0(OTG), 1×USB Device
Communication Mode	TCP/IP, Wi-Fi (4G optional)			4G&WIFI
Audio & Visual Alert	Human voice broadcast prompt			Human voice broadcast prompt
Power Supply	DC12V			DC7V-50V
Weighing Accuracy	-		30Kg	-
Overall Dimensions	280*210*290(mm)		620*700*Height (600-700 mm) adjustable	210*226*115(mm)
Structure	Desktop type			Wall-mounted type
Operating Temperature	-10℃-50℃			-20℃-60℃
Operating Humidity	10%-93% RH, non-condensing			10%-93% RH, non-condensing

Self-Service Weighing Checkout Station

Product		
Order Code	E712160-C-0001	E712170-C-0001
Product Name	RFID Pallet Binding Terminal	Barcode Pallet Binding Terminal
CPU	Octa-core Processor	
Storage	2GB RAM+16G EMMC	
Operating System	Android	
Display Screen	11.6"+11.6" color screen, 1080P resolution, multi-point capacitive touch	
Card Reading	Mifare 1, CPU card & mobile NFC	
External Card Reader	ISO 15693 Protocol	-
SAM Card Slot	2 PSAM slots (5 optional), 1 SIM card slot	
QR Code Recognition	QR Code, Code 128, Code 39 and other barcodes	
Face Recognition Camera	2MP IR dual binocular camera	
External Interfaces	1×RJ45, 1×RS232, 1×USB2.0(OTG), 1×USB Device	
Communication Mode	TCP/IP, Wi-Fi (4G optional)	
Audio & Visual Prompt	Human voice broadcast prompt	
Power Supply	DC12V	
Dimensions	280*210*290(mm)	

Product		
Order Code	E715110-C-0001	E717100-C-0001
Product Name	RFID Self-Service Weighing Checkout Station	Barcode Self-Service Weighing Checkout Station
CPU	Octa-core Processor	Octa-core Processor
Storage	2GB RAM+16G EMMC	2GB RAM+16G EMMC
Operating System	Android	Android
Display Screen	10.1" capacitive touch screen, 1280×800 resolution	8" touch display, 1280×800 resolution
Communication Mode	TCP/IP, Wi-Fi	TCP/IP, Wi-Fi
Card Reading	ISO 15693 Protocol	-
Weighing Range	0-30kg	0-30kg
Weighing Accuracy	0.01%	0.01%
Division Value	1g	1g
Interface	Host-USB	Host-USB
Barcode/QR Scanning	-	QR Code, Code128, Code39 etc. allows 360° rotation, 45° deflection/tilt
LED Indicator Light	Red & Green	Red & Green
Speaker	4Ω/5W	4Ω/5W
Power Supply	DC12V	DC12V
Power Consumption	2A	2A
Operating Environment	-10℃-50℃	-10℃-40℃
Dimensions	620×700×(Height adjustable: 600-700)(mm)	560*420*763(mm)

RFID Checkout Station

Product				
Order Code	E716101-C-0001	E716102-C-0001	E716103-C-0001	E716104-C-0001
Product Name	RFID Checkout Station			
CPU	Octa-core Processor			
Storage Memory	2GB RAM+16G EMMC			
Operating System	Android			
Display / Touch Screen	Main & Secondary Screen: 15.6" color screen, 1080P resolution, multi-point capacitive touch screen			
QR Code Scanning	QR Code, Code128, Code39 etc.; 360° rotation, ±45° tilt & deflection			
Face Recognition Camera	2MP IR dual binocular camera			
AI Recognition Camera	-	-	-	-
Fill Light	-	-	-	-
Keypad	Virtual touch keys			
SAM Card Slot	1 PSAM card slot			
Card Reading	Mifare 1, CPU card & mobile NFC			
External Interfaces	1×RJ45 port, 1×12V power port			
Communication Mode	TCP/IP,Wi-Fi, Bluetooth, RS232: multi-baud-rate supported with 5V power output			
Audio & Visual Prompt	Human voice broadcast prompt			
Power Supply	Input: AC 220V, 1A Output: DC 12V, 5A			
Operating Temperature	-10℃-50℃			
Relative Humidity	10%-93% RH, non-condensing			
Structure	Right channel, auxiliary screen rear-mounted	Left channel, auxiliary screen rear-mounted	Right channel, auxiliary screen side-mounted	Left channel, auxiliary screen side-mounted
Dimensions	1475*650*1100(mm)			

AI Vision Recognition Checkout Station

Product								
Order Code	E716150 -C-0001		E716151 -C-0001		E716150 -C-0001		E716151 -C-0001	
Product Name	AI Vision Recognition Checkout Station							
CPU	Octa-core Processor							
Storage Memory	2GB RAM+16G EMMC							
Operating System	Android							
Display / Touch Screen	Main & Secondary Screen: 15.6", 1080P resolution, Multi-touch Capacitive Display				Main Screen: 21.5" 1080P Multi-touch Capacitive Display Sub Screen: 15.6" 1080P Multi-touch Capacitive Display			
QR Code Scanning	QR Code, Code128, Code39 etc.; 360° rotation, ±45° tilt & deflection							
Face Recognition Camera	2MP IR dual binocular camera							
AI Recognition Camera	Monocular color camera, 5MP							
Fill Light	White natural fill light with adjustable brightness							
Keypad	Virtual touch keys							
SAM Card Slot	1 PSAM card slot							
Card Reading	Mifare 1, CPU card & mobile NFC							
External Interfaces	1×RJ45 port, 1×12V power port, 1×USB port							
Communication Mode	TCP/IP,Wi-Fi, Bluetooth, RS232: multi-baud-rate supported with 5V power output							
Audio & Visual Prompt	Human voice broadcast prompt							
Power Supply	Input: AC 220V, 1A Output: DC 12V, 5A							
Operating Temperature	-10°C-50°C							
Relative Humidity	10%-93% RH, non-condensing							
Structure	Right channel, auxiliary screen side-mounted		Left channel, auxiliary screen side-mounted		Right channel,		Left channel	
Dimensions	1475*650*1720(mm)				672*855*1652(mm)			

Access Control Terminal Series

- Diversified Product Portfolio
- Full-scenario Coverage
- New Intelligent Recognition Experience

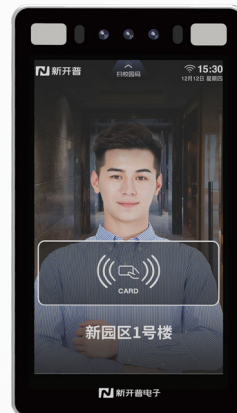


Facial Recognition Terminals

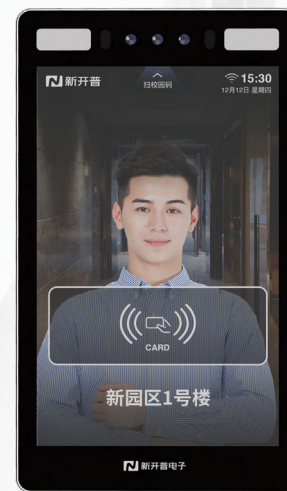
- Industrial-grade quality
- Accurate recognition
- Safe & reliable



5-inch



7-inch



8-inch



10-inch

Facial Recognition Terminal >

Industrial-grade, High Accuracy & High Security

Product Overview

Integrates multi-sensing, liveness detection & encryption; supports face, card, QR & NFC access.
All-in-one access & attendance solution for office, campus & industrial park.



Product Certifications



Key Features



IP66 dust & water resistant, stable operation



Triple high-performance cameras, $\leq 0.2s$ recognition, accuracy $\geq 99.9\%$



Anti-spoofing, resists photo & video fraud



Large-capacity face database for multi-scenario use

Application Scenarios



Classic Cases



中车青岛四方机车车辆股份有限公司
CRRC QINGDAO SIFANG CO., LTD.

Access Control Terminal >

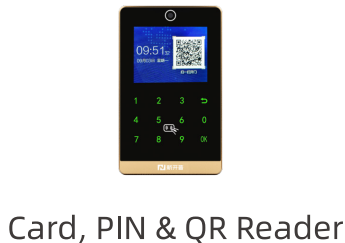
Product Overview

Designed for office buildings, industrial parks & campus dorms. Integrated card & QR recognition, staff management, user list distribution and access permission control.

Access Controller



Access Card Reader



Product Certifications



Key Features



Authentication Modes:
Card, QR code, PIN, APP



Multi-linkage: fire alarm
intrusion alarm



Two-way access with



Multi-level permission
management for zones
& users



Time-based access
schedule



Automatic alarm for
unauthorized events

Application Scenarios



Classic Cases



Face Recognition Terminal Series

Product					
Order Code	F9611A0-C-0001(Access Control Version) F9611A1-C-0001(Turnstile Version)	F962160-C-0001(Access Control Version) F962161-C-0001(Turnstile Version)	F971106-C-0001(Access Control Version)	F9721B0-C-0001(Access Control Version) F9721B1-C-0001(Turnstile Version)	F973100-C-0001(Access Control Version) F973101-C-0001(Turnstile Version)
Operating System	Android	Android	Linux	Linux	Linux
CPU/Processor	Octa-core Processor	Octa-core Processor	Dual-core Processor	Quad-core Processor	Quad-core Processor
RAM	2GB	2GB	1	1G	1G(2G optional)
Storage	16GB	16GB	8G	8G	8G(16G optional)
Display Screen	8" HD IPS screen, 1280×800 resolution	10" HD IPS screen, 1280×800 resolution	5" HD IPS screen, 1280×720 resolution	7" HD IPS screen, 1280×800 resolution	8" HD IPS screen, 1280×800 resolution
Touch Screen	Capacitive touch panel	Capacitive touch panel	Capacitive touch panel	Capacitive touch panel	Capacitive touch panel
Shell Craftsmanship	Integrated housing tempered glass front panel aluminum alloy housing	Integrated housing tempered glass front panel aluminum alloy housing	Plastic Housing	Integrated housing tempered glass front panel aluminum alloy housing	Integrated housing tempered glass front panel aluminum alloy housing
Supplemental Fill Light	IR & white auxiliary fill light	IR & white auxiliary fill light	IR & white auxiliary fill light	IR & white auxiliary fill light	IR & white auxiliary fill light
Indicator Light Strip	-	-	Tri-color indicator(White/Blue/Red)	-	-
IP Waterproof Rating	IP66	IP66	-	IP66	IP66
SAM Card Slot	1 PSAM slot for industry encryption keys	1 PSAM slot for industry encryption keys	Built-in ESAM module	Built-in ESAM module	Built-in ESAM module
Recognition Mode	Card, QR code, Face, NFC	Card, QR code, Face, NFC	Card, QR code, Face, NFC	Card, QR code, Face, NFC	Card, QR code, Face, NFC
Contactless Card Reading	ISO14443 TYPE A/B	ISO14443 TYPE A/B	ISO14443 TYPE A/B	ISO14443 TYPE A/B	ISO14443 TYPE A/B
QR Code Scan	Independent QR decoding module	Camera decoding	Independent QR decoding module	Independent QR decoding module	Independent QR decoding module
Face Camera	2MP IR dual binocular camera	2MP IR dual binocular camera	2MP IR dual binocular camera	2MP IR dual binocular camera	2MP IR dual binocular camera
Face Template Capacity	100000	100000	20000	50000	50000
Liveness Detection Supported	√	√	√	√	√
Recognition Distance	0.3m-2m	0.3m-2m	0.3m-1.5m	0.3m-3m	0.3m-3m
Face Recognition Pass Rate	≥99.9%	≥99.9%	≥99.9%	≥99.9%	≥99.9%
Face Recognition Speed	≤0.4s	≤0.4s	≤0.4s	≤0.3s	≤0.3s
TCP/IP	10/100Mbps Ethernet, RJ45 port	10/100Mbps Ethernet, RJ45 port	10/100Mbps Ethernet, RJ45 port	10/100Mbps Ethernet, RJ45 port	10/100Mbps Ethernet, RJ45 port
WiFi	√	√	√	√	√
Bluetooth	BT4.0	BT4.0	-	BT4.0	BT4.0
Face Wake-up from Screen-off	√	√	√	√	√
Interfaces	1×Door Contact,1×USB,1×RS485,1×RS232,1×Exit Button,1×Wiegand,2×Alarm In,1×Alarm Out	1×Relay,1×USB,1×RS485,1×Exit Button,1×Wiegand,2×Alarm Input,1×Alarm Output	1×Relay,1×USB,1×RS232,1×Exit Button,Door Contact Input,1×Wiegand,2×Alarm Input,1×Alarm Output	1×Relay,1×USB,1×RS485,1×RS232,1×Exit Button,1×Wiegand,2×Alarm Input,1×Alarm Output	1×Relay,1×USB,1×RS485,1×RS232,1×Exit Button,1×Wiegand,2×Alarm Input,1×Alarm Output
Power Supply	DC12/2A	DC12/2A	DC12/2A	DC12/2A	DC12/2A
Audio	Dual speakers	Dual speakers	Single Speaker	Dual speakers	Dual speakers
Overall Dimension	222*128*18.5(mm)	255*156*17(mm)	96*157*26(mm)	112*202*21(mm)	222*128*21(mm)
Operating Temperature	-10℃-60℃	-10℃-60℃	-10℃-60℃	-10℃-60℃	-10℃-60℃

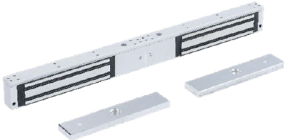
Access Control Controller

Product			
Order Code	I220100-C-0001	I220113-C-0001	I240100-C-0001
Product Name	Access Control Controller		
Power Supply Voltage	AC220V±10%		
Switching Power Consumption / Rated Power	Max 22W/35W		Max 40W/75W
Operating Temperature Range	-10°C - 65°C		
Humidity Range	15% - 85%		
Max User Capacity	60,000 users per door, supports 2 doors		60,000 users per door, supports 4 doors
Offline Transaction Storage	200000		
External Keypad Supported	Wiegand		
External Card Reader Supported	WG26, WG34		
External QR Scanner Supported	-	√	√
Communication Interface	TCP/IP		
Overall Dimension	300*240*55(mm)		

Card Reader

Product				
Order Code	F901405-C-0001	F921405-C-0001	F931405-C-0001	F951404-C-0001
Appearance	Black	White	Black	Silver
Power Supply	DC9-15V			DC9-15V
Processor	-	-	-	ARM A7 Processor
Memory / Storage	-	-	-	128Mbit
Power Consumption	<2W			5WMAX
Card Reading Frequency	13.56M	13.56M	13.56M	13.56M
Reading Distance	1-5cm	1-5cm	1-5cm	1-5cm
Supported Card Type	ISO14443-TypeA	ISO14443-TypeA	ISO14443-TypeA	ISO14443-TypeA
QR Code Reading	-	-	-	phone scans reader head & reader head scans phone screen, QR Code
Keypad	√	√	-	12-key grid capacitive touch keypad
Audio Output	Buzzer			Human voice broadcast
Display	OLED graphic display + LED indicator		LED	2.8" IPS screen
Camera	-	-	-	Wide-angle HD camera for QR Code scanning
Communication Interface	Wiegand34, optional 3.3V level UART & optional RS485		Wiegand34	Wiegand34
External Expansion	-	-	-	PSAM card, expandable with MicroSD card
Installation Method	Wall-mounted installation	Wall-mounted installation	Wall-mounted installation	Wall-mounted installation
Operating Environment	-10°C-50°C, keep away from direct sunlight and rain exposure	-10°C-50°C, keep away from direct sunlight and rain exposure	-10°C-50°C, keep away from direct sunlight and rain exposure	-10°C-50°C, keep away from direct sunlight and rain exposure
Overall Dimension	136*82*25(mm)	136*82*23(mm)	136*82*25(mm)	132*82*18(mm)

Electromagnetic Lock

Product							
Product Name	Single-door Electromagnetic Lock	Double-door Electromagnetic Lock	L-type Bracket	U-type Bracket	ZL-type Bracket	Electric Bolt Lock	Glass Door Clamp
Order Code	VI-280AS	VI-280BS	VI-280L	VI-280U	VI-280ZL	YB-700A(LED)	BBK-601
Material	Lock body: aluminum alloy; Armature plate: iron	Lock body: aluminum alloy, armature plate: iron	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy	Front panel & latch bolt: 304 stainless steel Lock body: aluminum alloy	Aluminum Alloy
Dimension	Lock body: 250*47*26(mm) Armature plate: 180*38*11(mm)	Lock body: 5000*47*26(mm) Armature plate:180*38*11(mm)	250*28*48(mm)	180*38*28(mm)	L-type: 250*28*48(mm) Z-type: 180*50*50(mm)	Lock body:225*34*38(mm) plate:100*25*3(mm)	93*50*30(mm)
Operating Voltage	DC12V/DC24V	DC12V/DC24V	/	/	/	DC12V	/
Operating Current	480MA/240MA	480MA/240MA	/	/	/	200MA	/
Pulling Force	280KG±10KG	280KG±10KG	/	/	/	/	/
Applicable Door Type	wooden, glass, metal, fireproof door, etc.	wooden, glass, metal, fireproof door, etc.	wooden, metal, fireproof door, etc.	Specially for frameless glass door	wooden, metal, fireproof door, etc.	wooden, metal, fireproof door, etc.	Specially for frameless glass door
Operating Temperature	-30°C--+60°C	-30°C--+60°C	-30°C--+60°C	-30°C--+60°C	-30°C--+60°C	-20°C--+60°C	-20°C--+60°C
Operating Humidity	≤95%	≤95%	≤95%	≤95%	≤95%	≤95%	≤95%

Door Closer

Product			
Product Name	Door Closer	Door Closer	Door Closer
Order Code	YC-81-2	YC-82-2	YC-83-2
Material	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy
Dimension	180*40*63(mm)	206*44.5*68(mm)	226*44.5*72(mm)
Max Opening Angle	180°	180°	180°
Applicable Door Width	≤950(mm)	≤1050(mm)	≤1200(mm)
Applicable Door Weight	40-65kg	60-85kg	80-100kg
Applicable Door Type	Wooden door, framed glass door, narrow anti-theft door, double leaf door	Steel-wood door, steel door, fire door, iron door and other metal doors	Armored door, courtyard gate, heavy- duty metal door
Operating Temperature	-20°C--+45°C	-20°C--+45°C	-20°C--+45°C
Operating Humidity	≤95%	≤95%	≤95%

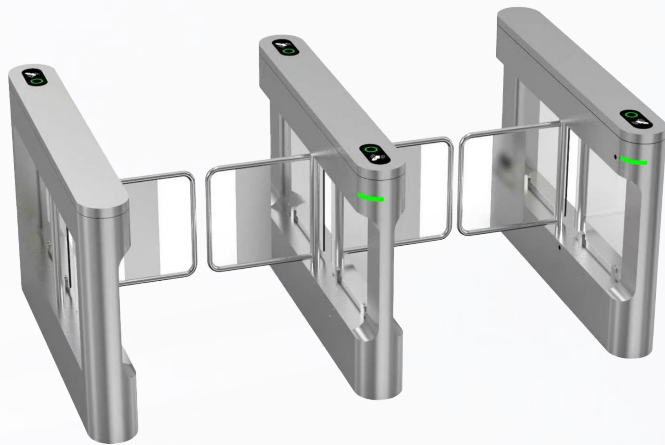
Speed Gate Turnstile Terminals Series

- Diversified Product Portfolio
- Full-scenario Coverage
- Smart Passage Experience

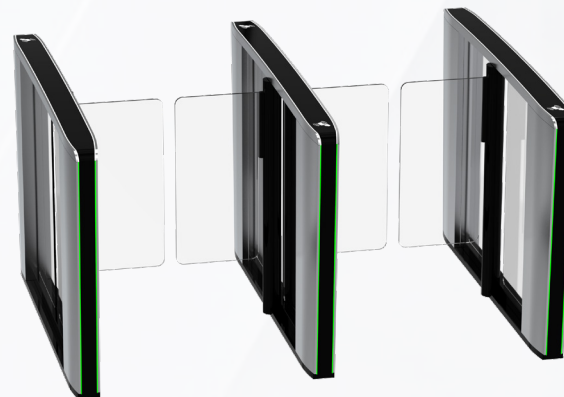


Speed Gate Turnstile Series

Industrial-grade quality, accurate recognition, safe & reliable



Swing Barrier Series



Speed Gate Series



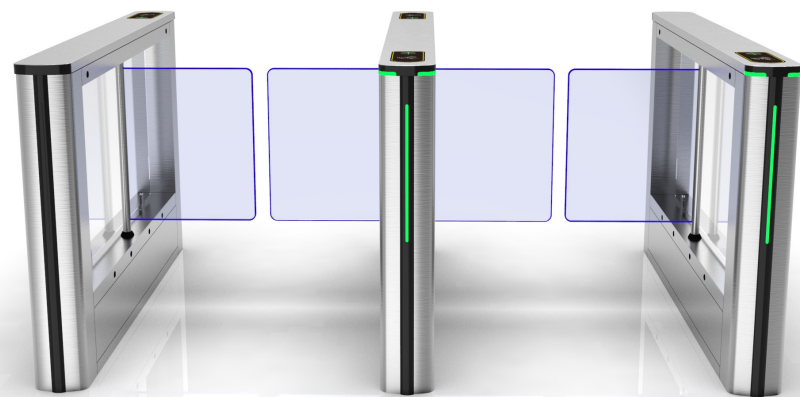
Flap Barrier Series

High-Speed Swing Gate >

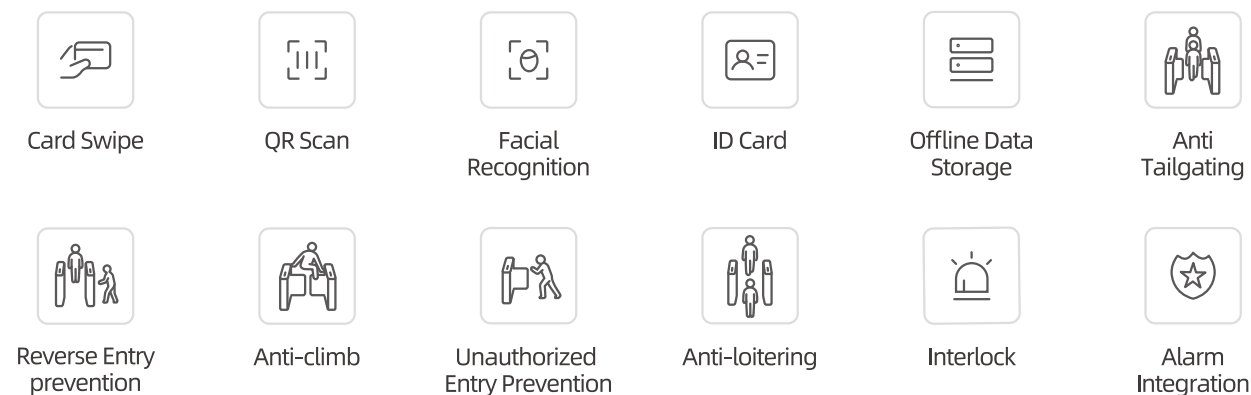
Industrial-Grade, High Precision & Safe Operation

Product Overview

Stamped stainless steel housing, rustproof & durable. Standard ports for card, QR code & facial recognition readers. Built-in passage detection, anti-pinch, alarm, and direction indicator for intelligent building access management.



Product Functions



Key Features



Independent power supply per gate, wiring finished within 3 mins



Simplified debugging, auto-check & remote tuning



Heavy-duty mechanism MTBF of 15 million cycles



3-tier anti-pinch protection: mechanical, infrared & current detection

Applicable Scenarios



Classic Cases



Great Wall Motor



Shaanxi Normal University



Dongfeng Voyah Auto



WEGO Group

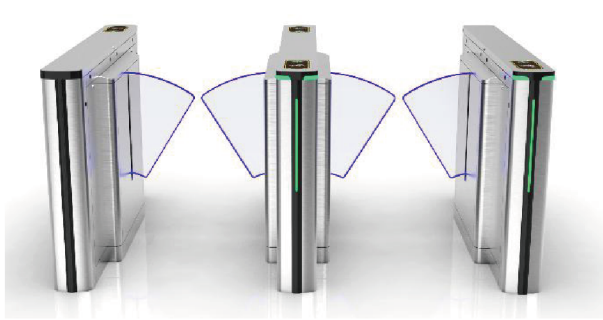
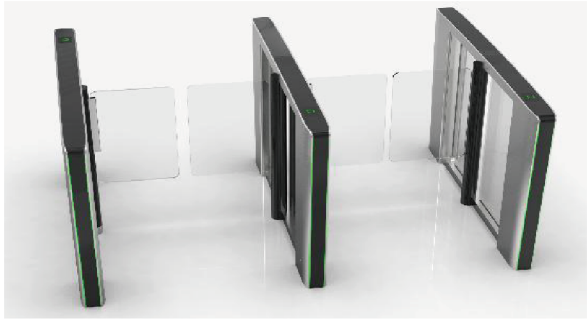


Shandong Haihua

Speed Gates & Turnstiles

Product				
Product Name	Swing Turnstile			
Application Scenarios	Preferred for gate entrance scenario			
Order Code	J510243-C-0001(Single-Drive) J510244-C-0001(Dual-Drive)	J510248-C-0001(Single-Drive) J510249-C-0001(Dual-Drive)	J51024G-C-0001(Single-Drive) J51024H-C-0001(Dual-Drive)	J510300-C-0001(Single-Drive) J510301-C-0001(Dual-Drive)
Power Supply	AC220V/50Hz			
Housing Material	SUS304 stainless steel housing; Top cover:1.2(mm), main body:1.0(mm) (optional body thickness:1.2(mm)/1.5(mm))			
Motor Type	Brushless Motor			
Quantity of Infrared Sensors	6 pairs(12 pairs optional)			
Swing Arm Material	Stainless steel, acrylic & tempered glass			
Lane Width	600-840(mm)	600-1400(mm)	600-1100(mm)	600-900(mm)
Mechanical Properties	Mechanical self-locking, dual anti-pinch: mechanical + infrared electronic protection			
Electrical Safety	Built-in leakage protection			
Audio & Visual Indication	LED lane indicator with voice prompt			
Free Passage Mode	Customizable free-pass period for fast peak-hour access			
Fire Alarm Interlock	Fire Alarm Interlock; gate unlocks manually upon power failure for emergency evacuation			
Self-Diagnostic Function	Self-test, self-diagnosis and auto-alarm functions			
Automatic Reset	Auto-reset: barrier closes automatically if no passage is detected within preset time			
Authentication Mode	Optional access modes: card swiping, QR scan, facial recognition (access devices ordered separately)			
Passage Speed	30-60 persons per minute			
Dimensions	1400*200*980(mm)	1400*200*980(mm)	1400*180*980(mm)	1400*140*980(mm)
Operating Temperature	-20°C-70°C			
Installation Environment	Indoor / Outdoor			

Speed Gates & Turnstiles

Product				
Product Name	Flap Turnstile		Swing Turnstile	High-speed Swing Gate
Application Scenarios	Preferred for dormitory scenario		Preferred for libraries, office buildings & commercial offices	
Order Code	J510245-C-0001(Single-Drive) J510246-C-0001(Dual-Drive)	J51024E-C-0001(Single-Drive) J51024F-C-0001(Dual-Drive)	J51024C-C-0001(Single-Drive) J51024D-C-0001(Dual-Drive)	J51024A-C-0001(Single-Drive) J51024B-C-0001(Dual-Drive)
Power Supply	AC220V/50Hz		AC220V/50Hz	
Housing Material	SUS304 stainless steel housing; Top cover:1.2(mm), main body:1.0(mm) (optional body thickness:1.2(mm)/1.5(mm))		SUS304 stainless steel housing; Top cover:1.2(mm), main body:1.0(mm) (optional body thickness:1.2(mm)/1.5(mm))	
Motor Type	Brushless Motor		Brushless Motor	Servo Motor
Quantity of Infrared Sensors	6 pairs(12 pairs optional)		6 pairs(12 pairs optional)	8 pairs(12 pairs optional)
Swing Arm Material	PU flexible wing / acrylic & tempered glass		Stainless steel, acrylic & tempered glass	
Lane Width	580(mm)		600-1000(mm)	600-1100(mm)
Mechanical Properties	Mechanical self-locking, dual anti-pinch: mechanical + infrared electronic protection		Mechanical self-locking, dual anti-pinch: mechanical + infrared electronic protection	
Electrical Safety	Built-in leakage protection		Built-in leakage protection	
Audio & Visual Indication	LED lane indicator with voice prompt		LED lane indicator with voice prompt	
Free Passage Mode	Customizable free-pass period for fast peak-hour access		Customizable free-pass period for fast peak-hour access	
Fire Alarm Interlock	Fire Alarm Interlock; gate unlocks manually upon power failure for emergency evacuation		Fire Alarm Interlock; gate unlocks manually upon power failure for emergency evacuation	
Self-Diagnostic Function	Self-test, self-diagnosis and auto-alarm functions		Self-test, self-diagnosis and auto-alarm functions	
Automatic Reset	Auto-reset: barrier closes automatically if no passage within preset time		Auto-reset: barrier closes automatically if no passage within preset time	
Authentication Mode	Optional access modes: card swiping, QR scan, facial recognition (access devices ordered separately)		Optional access modes: card swiping, QR scan, facial recognition (access devices ordered separately)	
Passage Speed	30-60 persons per minute		30-60 persons per minute	
Dimensions	1400*280*980(mm)		1400*160*980(mm)	1600*106*1000(mm)
Operating Temperature	-20℃-70℃		-20℃-70℃	
Installation Environment	Indoor / Outdoor		Indoor / Outdoor	

Smart Door Lock Series

- Diversified Product Portfolio
- Full-Scenario Coverage
- New Smart Access Experience



Smart Door Lock Series

Complete product lineup, flexible unlocking, safe for all scenarios



I316 Series

For offices



I318 Series

For offices & apartments



I319 Series

For offices
apartments & hotels



I320 Series

for old door upgrades
Drill-free retrofit

Smart Door Lock I316 Series >

Anti-theft Lock for Office Use

Product Overview

IoT smart lock with integrated cloud platform & APP architecture. Supports card, PIN, fingerprint, QR & remote mobile unlock. Full-link encrypted access control, real-time unlock logs & abnormal alarms. Suitable for staff dorms, apartments & office buildings for digital permission management.

Free switch between always-open/locked mode; lift handle auto-lock to avoid forgotten lock

IML injection molding, anti-fingerprint surface



Tech Black



Titanium Gray

Card & PIN / Fingerprint / QR Code Version

Product Functions



Card Swipe



Dynamic PIN



Static PIN



NFC Unlock



Fingerprint



QR Scan



Mobile APP



Remote Admin



ID Card



Mechanical Key



Remote Authorization



Real-time Monitoring



Emergency Power Supply



Low Battery Alarm



Anti-pry Alarm

Key Features



Ultra-high strength

Cast stainless steel alloy handle for heavy frequent use



High security

Dedicated encryption chip, full-link encrypted communication, anti-cloning & anti-tamper



Easy Deployment

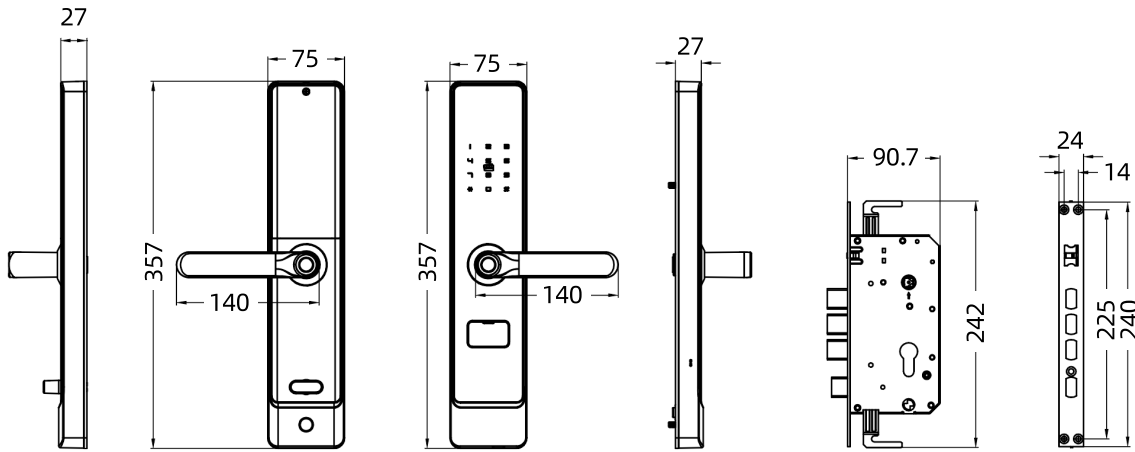
Local & saas cloud platform compatible, fast launch



Open capability

Hardware api available for third-party system integration

Lock Body Dimensions



Rear Panel

Front Panel

6068 Anti-theft Lock Body

Smart Door Lock I318 Series >

Universal Anti-theft Lock for Office & Apartment

Product Overview

IoT smart lock with integrated cloud platform & APP architecture. Supports card, PIN, fingerprint, QR, facial & remote mobile unlock. Full-link encrypted access control, real-time unlock logs & abnormal alarms. Suitable for staff dorms, apartments & office buildings for digital permission management.

Tempered glass panel, wear & scratch resistant

Multi-modal biometric recognition (card, PIN, face) for diverse users & scenarios



● Tech Black



● Dark Gray

Card & PIN / Fingerprint / QR Code / Facial Recognition Version

Product Functions



Card Swipe



Dynamic PIN



Static PIN



NFC Unlock



Fingerprint



QR Scan



Facial Recognition



Mobile APP



Remote Admin



ID Card



Mechanical Key



Remote Authorization



Real-Time Monitoring



Emergency Power Supply



Low Battery Alarm



Anti-pry Alarm

Key Features



Ultra-High Strength

Cast stainless steel alloy handle for heavy frequent use



High Security

Dedicated encryption chip, full-link encrypted communication, anti-crack & anti-tamper



Easy Deployment

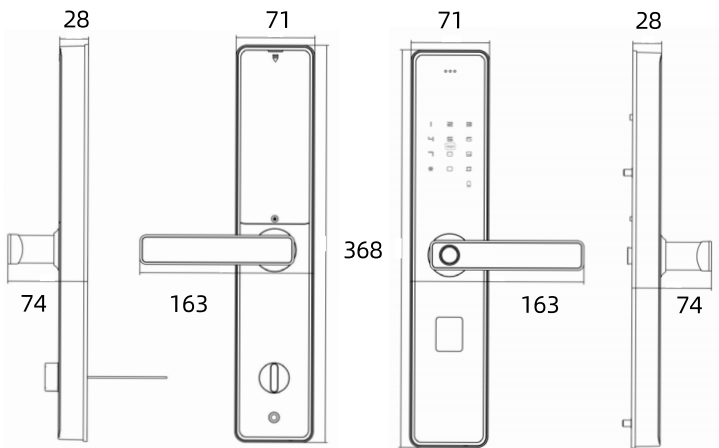
Local & saas cloud platform compatible, fast launch



Open Capability

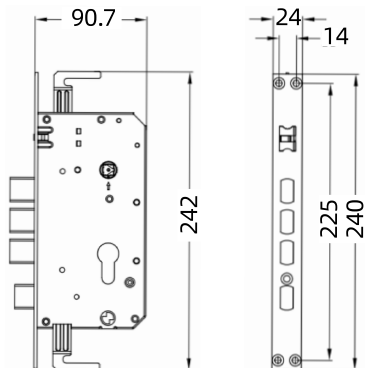
Hardware api available for third-party system integration

Lock Body Dimensions



Rear Panel

Front Panel



6068 Anti-theft Lock Body

Smart Door Lock I319 Series >

Universal Lock for Office, Apartment & Hotel

Product Overview

IoT smart door lock with card, PIN, fingerprint, QR code, face recognition, app unlocking, and remote management for offices, apartments, hotels, and dormitories.



Tech Black



Rose Gold

Card & PIN / Fingerprint / QR Code / Facial Recognition

Product Functions

Card Swipe

Dynamic PIN

Static PIN

NFC Unlock

Fingerprint

QR Scan

Facial Recognition

Mobile APP

Remote Admin

ID Card

Mechanical Key

Remote Authorization

Real-Time Monitoring

Emergency Power Supply

Low Battery Alarm

Anti-pry Alarm

Key Features

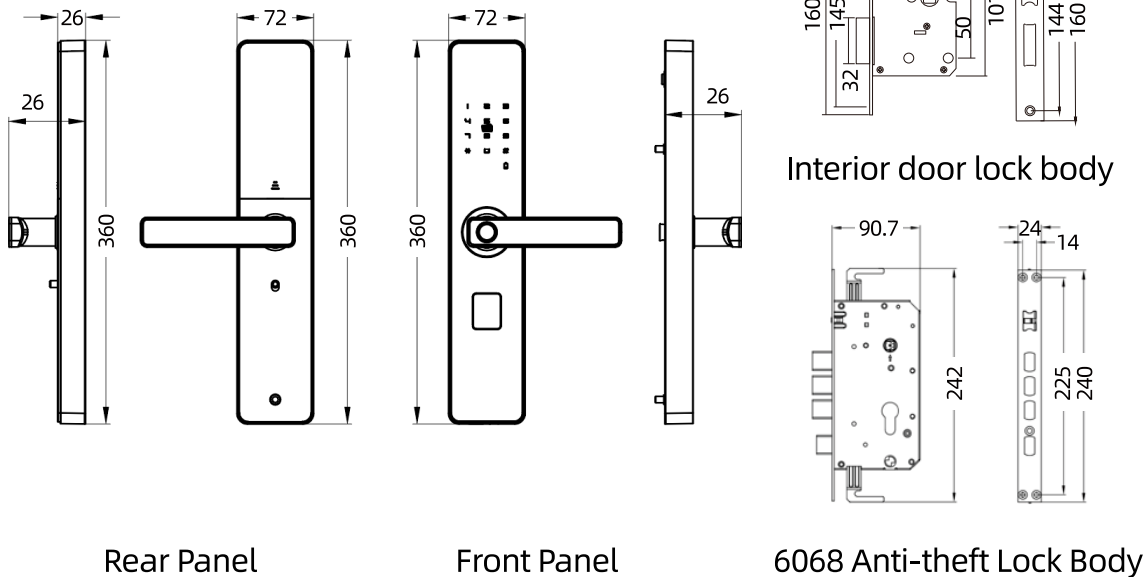
Ultra High Strength
Cast stainless steel alloy handle for heavy frequent use

High Security
Dedicated encryption chip, end-to-end encrypted communication, anti-crack and anti-tamper protection

Easy Deployment
Compatible with local and SaaS cloud platforms, enabling fast rollout

Open Capability
Hardware api available for third-party system integration

Lock Body Dimensions



Smart Door Lock I320 Series >

Special Model for Door Retrofi

Product Overview

IoT smart door lock is built on networked access control technology, featuring an integrated platform + APP + lock architecture. It supports multiple unlocking methods, including card, PIN, fingerprint, QR code, and remote mobile access. With end-to-end encrypted permission management, real-time unlock logging, and anomaly alerts, it delivers comprehensive security protection. Widely applicable to enterprise dormitories, campus apartments, office buildings, and similar scenarios, it enables unified digital management of access permission



● Tech Black



● Dark Gray

Card & PIN / Fingerprint Version

Product Functions



Card Swipe



Dynamic PIN



Static PIN



NFC Unlock



Fingerprint



Mobile App



Remote Admin



ID Card



Mechanical Key



Remote Authorization



Real-Time Monitoring



Emergency Power Supply



Low Battery Alarm

Key Features



Ultra High Strength

Cast stainless steel alloy handle for heavy frequent use



High Security

Dedicated encryption chip, full-link encrypted communication, anti-crack & anti-tamper



Easy Deployment

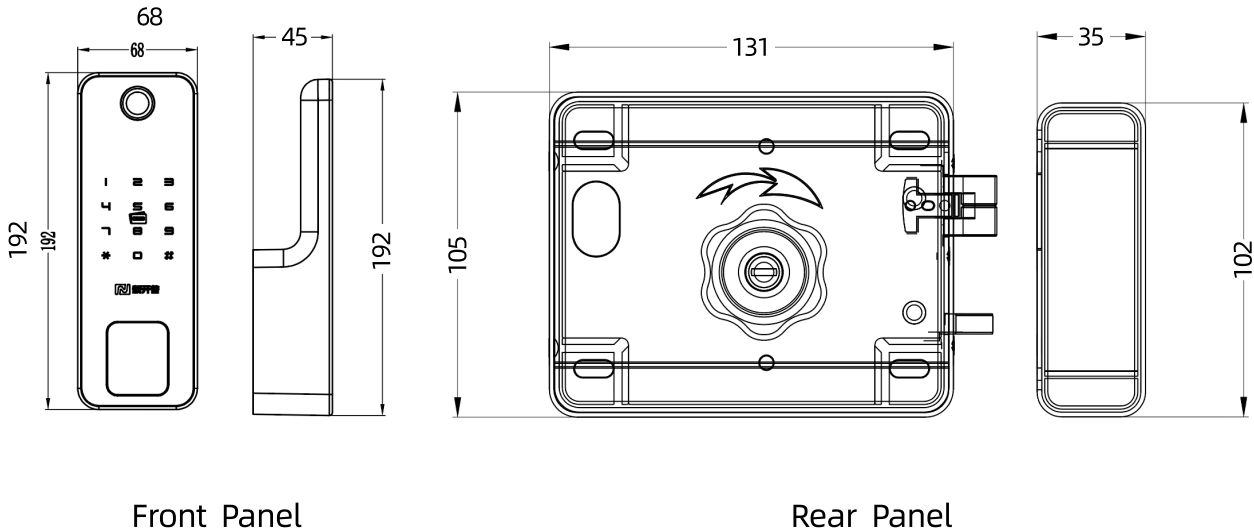
Compatible with local and SaaS cloud platforms for fast rollout



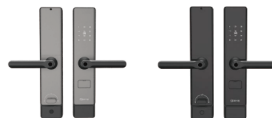
Open capability

Hardware api available for third-party system integration

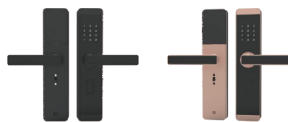
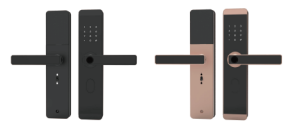
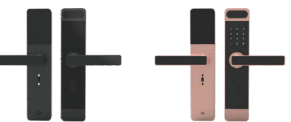
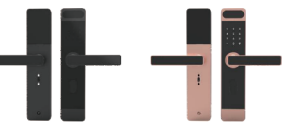
Lock Body Dimensions



Smart Door Lock Series

Product							
Application Scenarios	Office			Office & Apartment			
Order Code	I316K10-C-0001 I316C10-C-0001	I316K20-C-0001 I316C20-C-0001	I316K30-C-0001 I316C30-C-0001	I318K10-C-0001 I318C10-C-0001	I318K20-C-0001 I318C20-C-0001	I318K30-C-0001 I318C30-C-0001	I318K50-C-0001 I318C50-C-0001
Color	Titanium Gray / Tech Black			Tech Black / Dark Gray			
Lock Body Material	Housing: Integrally cast aluminum alloy, anti-oxidation & corrosion resistant; Decorative panel: IML in-mold injection molding; Lock body: Model 6068 anti-theft lock body, 304 stainless steel latch bolt			Housing: Integrally cast aluminum alloy, anti-oxidation & corrosion resistant; Decorative panel: Tempered glass; Lock body: 6068 anti-theft lock body, latch bolt made of 304 stainless steel			
Cylinder	Grade C anti-pick lock cylinder			Grade C anti-pick lock cylinder			
Supported Card Types	Mifare 1, CPU Card, Special-shaped Card			Mifare 1, CPU Card, Special-shaped Card			
Card Unlock	√	√	√	√	√	√	√
PIN Code Unlock	√	√	√	√	√	√	√
Fingerprint Unlock	-	√	-	-	√	-	-
QR Code Unlock	-	-	√	-	-	√	-
Face Recognition Unlock	-	-	-	-	-	-	√
NFC Unlock	√	√	√	√	√	√	√
Mobile APP Unlock	√	√	√	√	√	√	√
Remote Unlock	√	√	√	√	√	√	√
Mechanical Key Unlock	√	√	√	√	√	√	√
Lock Status Detection	Auto-lock by inner handle, door open/closed detection, ajar door alarm (Optional)			-	-	-	-
Power Supply Type	4pcs AA high-energy alkaline batteries			4pcs AA high-energy alkaline batteries			4000mAh Lithium Battery
Battery Service Life	8-12 months			8-12 months			
Low Voltage Alarm	Voice alert for low battery			Voice alert for low battery			
Emergency Power Supply	Powered by power bank via Type-C port			Powered by power bank via Type-C port			
Card User Capacity	500			500			
Offline Access Record Storage	500			500			
PIN Code User Capacity	500			500			
Fingerprint User Capacity	-	100	-	-	100	-	-
QR Code User Capacity	-	-	500	-	-	500	-
Face User Capacity	-	-	-	-	-	-	50
Communication Mode	I316K10-C-0001/LoRa I316C10-C-0001/WiFi	I316K20-C-0001/LoRa I316C20-C-0001/WiFi	I316K30-C-0001/LoRa I316C30-C-0001/WiFi	I318K10-C-0001/LoRa I318C10-C-0001/WiFi	I318K20-C-0001/LoRa I318C20-C-0001/WiFi	I318K30-C-0001/LoRa I318C30-C-0001/WiFi	I318K50-C-0001/LoRa I318C50-C-0001/WiFi
Applicable Door Thickness	40-80(mm)			40-80(mm)			
Applicable Door Type	Wooden door, iron door, standard anti-theft security door			Wooden door, iron door, standard anti-theft security door			
Overall Dimensions	357*75*27(mm)(excluding handle)			368*71*28(mm)(excluding handle)			
Operating Temperature	-10°C-50°C			-10°C-50°C			
Operating Humidity	20%-80%			20%-80%			

Smart Door Lock Series

Product							
Application Scenarios	Office, Apartment & Hotel				Existing Door Renovation		Apartment & Hotel
Order Code	I319K10-C-0001 I319C10-C-0001	I319K20-C-0001 I319C20-C-0001	I319K30-C-0001 I319C30-C-0001	I319K50-C-0001 I319C50-C-0001	I320K10-C-0001 I320C10-C-0001	I320K20-C-0001 I320C20-C-0001	I306K00-C-0001
Color	Tech Black / Rose Gold				Tech Black / Dark Gray		Silver
Lock Body Material	Housing: Integrally cast aluminum alloy, anti-oxidation and corrosion resistant; Lock body: 6068 anti-theft lock body (5050 optional), latch bolt in 304 stainless steel				Housing: Integrally cast aluminum alloy, anti-oxidation and corrosion resistant; Lock Body: Special scissor-type bolt design, no hole drilling required for easy installation		Housing: Stainless steel, anti-oxidation & corrosion-resistant Lock Body: Hotel-specific electronic lock
Cylinder	Grade C anti-pick lock cylinder				/	/	/
Supported Card Types	Mifare 1, CPU Card, Special-shaped Card				Mifare 1, CPU Card, Special-shaped Card		Mifare 1, CPU Card, Special-shaped Card
Card Unlock	√	√	√	√	√	√	√
PIN Code Unlock	√	√	√	√	√	√	-
Fingerprint Unlock	-	√	-	-	-	√	-
QR Code Unlock	-	-	√	-	-	-	-
Face Recognition Unlock	-	-	-	√	-	-	-
NFC Unlock	√	√	√	√	√	√	√
Mobile APP Unlock	√	√	√	√	√	√	√
Remote Unlock	√	√	√	√	√	√	√
Mechanical Key Unlock	√	√	√	√	√	√	√
Lock Status Detection	Elec. Deadbolt Supported				-		-
Power Supply Type	4pcs AA high-energy alkaline batteries			4000mAh Lithium Battery	4pcs AA high-energy alkaline batteries		4pcs AA high-energy alkaline batteries
Battery Service Life	8-12 months				8-12 months		8-12 months
Low Voltage Alarm	Voice alert for low battery				Voice alert for low battery		Voice alert for low battery
Emergency Power Supply	Powered by power bank via Type-C port				Powered by power bank via Type-C port		Powered by power bank via Type-C port
Card User Capacity	500				500		500
Offline Access Record Storage	500				500		500
PIN Code User Capacity	500				500		-
Fingerprint User Capacity	-	100	-	-	-	100	-
QR Code User Capacity	-	-	500	-	-	-	-
Face User Capacity	-	-	-	50	-	-	-
Communication Mode	I319K10-C-0001/LoRa I319C10-C-0001/WiFi	I319K20-C-0001/LoRa I319C20-C-0001/WiFi	I319K30-C-0001/LoRa I319C30-C-0001/WiFi	I319K50-C-0001/LoRa I318C50-C-0001/WiFi	I320K10-C-0001/LoRa I320C10-C-0001/WiFi	I320K20-C-0001/LoRa I320C20-C-0001/WiFi	I306K00-C-0001/LoRa
Applicable Door Thickness	40-80(mm)				40-50(mm)		40-50(mm)
Applicable Door Type	Wooden door, iron door, standard anti-theft security door				Wooden door, iron door		Wooden door
Overall Dimensions	360*72*26(mm)(excluding handle)				192*68*45(mm)(Max available thickness)		285*78*25(mm)(Max available thickness)
Operating Temperature	-10°C-50°C				-10°C-50°C		-10°C-50°C
Operating Humidity	20%-80%				20%-80%		20%-80%

Smart Water Meter Series

- Diverse Product Portfolio
- Full-Scenario Coverage
- New Smart Water Usage Experience



Smart Water Meter Series

High-precision measurement, easier water consumption statistics



Electronic
Remote-Transmission
Water Meter



Prepaid Water Meter



Photoelectric
Direct-Reading Water Meter



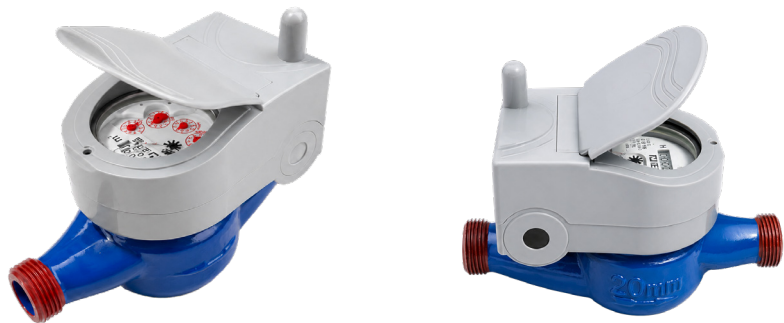
Ultrasonic
Water Meter

Electronic Remote Cold & Hot Water Meter >

Wired/Wireless Communication, Remote Meter Reading

Product Overview

Integrates IoT technology, mechanical metering, data collection, remote communication & intelligent management. Widely used in residential communities, apartments, commercial buildings and industrial parks for digital water management upgrade.



Key Features



Ip68 Waterproof Grade
Fully sealed design with independent waterproof battery compartment



High-Precision Measurement
With multi-jet vane mechanism, stable accuracy



Open Compatibility
Q/t168 standard protocol & api interface for third-party system integration

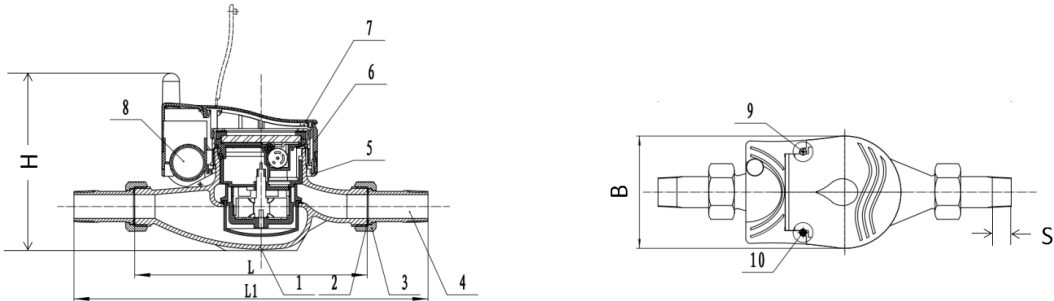


Remote Monitoring & Alerting
Auto status upload & low water volume alert for efficient maintenance

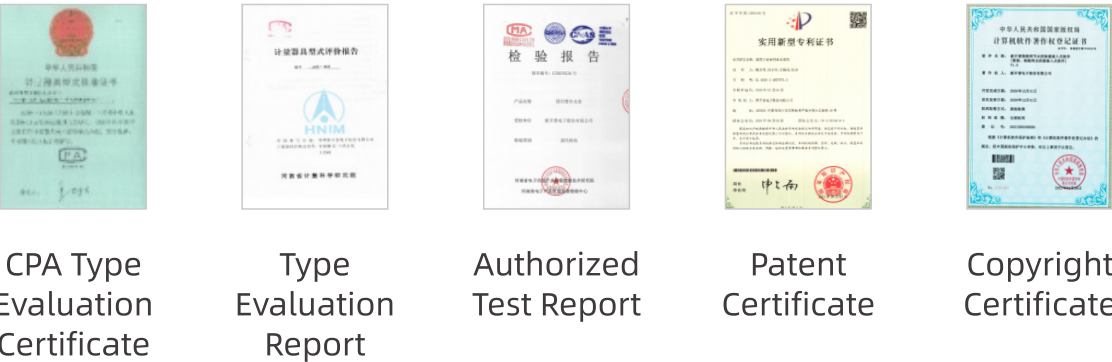
Application Scenarios



Dimensions



Product Certifications



Nominal Diameter (mm)	Length (L) (mm)	Dial Length (LY) (mm)	Width (B) (mm)	Height (H) (mm)	Thread Length (S) (mm)	threaded connection	
						Connection Thread	Meter Thread
15	165	257	98	154	14	R1/2	G3/4
20	195	297	98	154	18	R3/4	G1
25	225	341	98	154	19	R1	G1 1/4

Photoelectric Direct-Reading Cold Water Meter >

Wired Communication · Photoelectric Direct Reading · Remote Meter Reading

Product Overview

Water metering terminal integrating photoelectric direct reading & data communication, with mechanical metering, data collection and intelligent management. Widely used in residential communities, apartments, commercial buildings and industrial parks for digital water management upgrade.



Application Scenarios



University Campus



Enterprise Park



Residential Community



Public Rental Housing

Product Certifications



CPA Type Evaluation Certificate



Type Evaluation Report



Authorized Test Report



Patent Certificate



Copyright Certificate

Key Features



Photoelectric Direct Reading

directly read mechanical word wheel, no accumulated error, reliable measurement



Zero Power Consumption

passive operation, power supply only during meter reading, no built-in battery required



Open compatibility

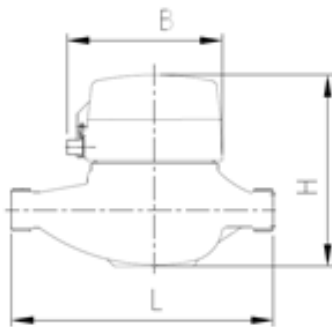
Q/T168 standard protocol & API interface for third-party system integration



Remote Monitoring

auto status upload & low water volume alert for efficient maintenance

Dimensions



Nominal Diameter (mm)	Body Length (mm)	Width (mm)	Height (mm)	Overall Length (mm)	Thread
15	165	98	122	255	G3/4
20	195	98	122	295	G1
25	225	98	135	345	G1 1/4

Prepaid Cold & Hot Water Meter >

Wired/Wireless Communication, Prepaid & Remote Valve Control

Product Overview

IoT & remote control integrated water meter with high-precision metering, electric valve control, remote communication and prepaid management. Widely applied in residential areas, apartments, commercial buildings and industrial parks to build efficient smart water management system.



Key Features



IP68 waterproof grade
Fully sealed structure with independent waterproof battery compartment



Prepaid management
Built-in electric valve for pay-first-use; remote valve on/off & equipment monitoring



Open compatibility
Q/T168 standard protocol & API for third-party system integration

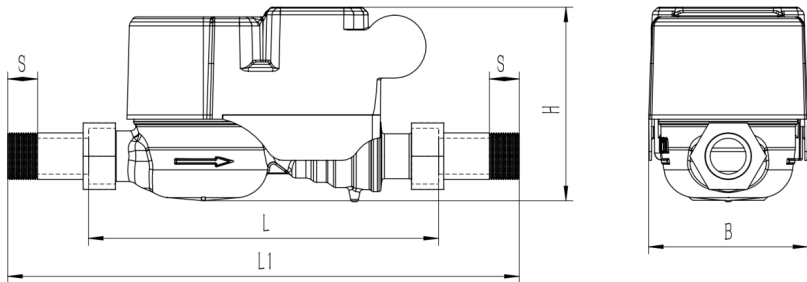


Low power consumption
Long service life with lcd display

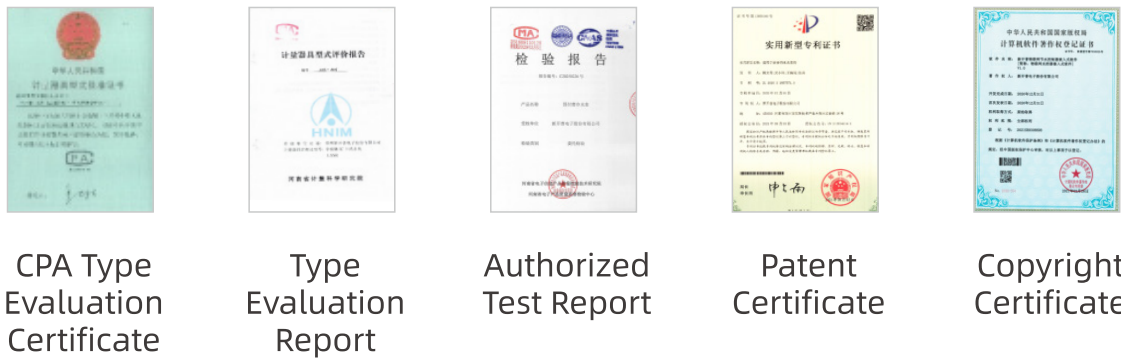
Application Scenarios



Dimensions



Product Certifications



Nominal Diameter (mm)	Length (L) (mm)	Body Length (L1) (mm)	Width (B) (mm)	Height (H) (mm)	Thread at Both Ends	
					Meter	Thread
15	165	225	88.5	108	R1/2	G3/4
20	195	295	88.5	108	R3/4	G1
25	225	341	88.5	108	R1	G1 1/4

Ultrasonic Cold Water Meter >

Ultrasonic Metering, Prepaid & Remote Valve Control

Product Overview

Full-electronic water meter adopting ultrasonic flow detection tech. LCD displays real-time water consumption, uploads data via communication. Integrates remote communication & prepaid management, widely used in residential areas, apartments, commercial & industrial parks for smart water management.



Key Features

IP68 Waterproof
Fully sealed with large-capacity waterproof battery compartment

Prepaid Control
Built-in electric valve for pay-first-use, remote valve on/off

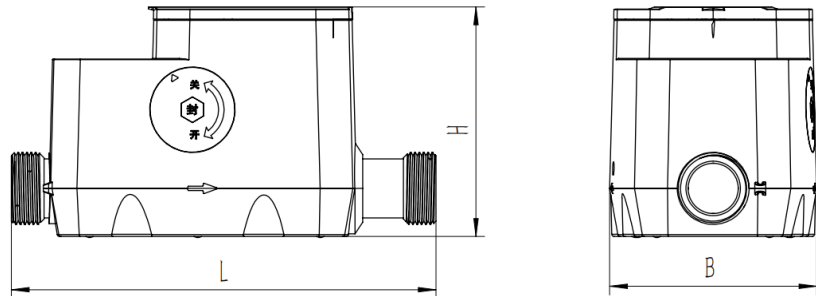
Open Capability
API interface compatible with third-party platforms

High-Precision Ultrasonic Measurement
Wide range & low start flow

Application Scenarios



Dimensions



Nominal Diameter (mm)	Length (L) (mm)	Width (W) (mm)	Height (H) (mm)	Thread G
15	165	95	103	G3/4B
20	195	95	103	G1B
25	225	95	103	G1 1/4

Product Certifications



CPA Type Evaluation Certificate



Type Evaluation Report



Authorized Test Report

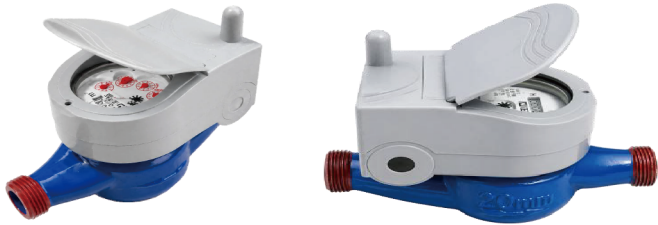
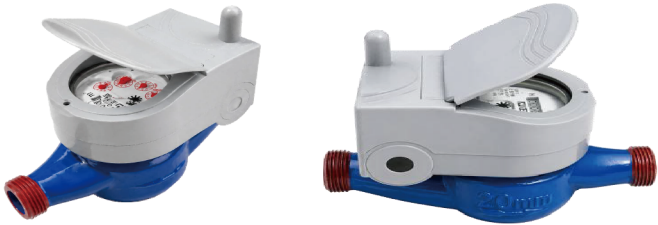


Patent Certificate



Copyright Certificate

Remote Hot & Cold Water Meters

Product						
Commercial Order Code	LXS-Y			LXS-Y		
Order Code	L300I10-C-0001	L300I11-C-0001	L300I12-C-0001	L310J00-C-0001	L310J01-C-0001	L310J02-C-0001
Product Name	Electronic Remote Reading Cold Water Meter			Electronic Remote Reading Cold Water Meter		
Ingress Protection (IP Rating)	IP68			IP68		
Accuracy Class	Class 2			Class 2		
Ambient Condition Class	Class B			Class B		
Working Pressure	≤1MPa			≤1MPa		
Pressure Loss	≤0.063MPa			≤0.063MPa		
Flow Range Ratio	R100			R100		
Flow Profile Sensitivity	U10 D5			U10 D5		
Temperature Class	T30			T30		
Sampling Method	Electronic Pulse			Electronic Pulse		
Battery Service Life	6 Years			6 Years		
Valve Type	-			-		
Prepayment Function	-			-		
Display	-			-		
Push-button	-			-		
Mechanical Register Reading	Max. 99999.9999 m³			Max. 99999.9999 m³		
Minimum Electronic Reading	0.1m³			0.1m³		
Power Supply	3.6V Lithium Battery + MBus Bus Powered			3.6V Lithium Battery		
Communication Interface	M-BUS	M-BUS	M-BUS	4G	4G	4G
Open Protocol Compatibility	CJ/T188 standard protocol & API available			API available		
Product Type	Rotary Vane Wet-Type Multi-Jet			Rotary Vane Wet-Type Multi-Jet		
Operating Temperature	5°C-55°C			5°C-55°C		
Operating Humidity	< 93% RH @40°C			< 93% RH @40°C		
Compliance Standard	ISO 4064-1:2014 OIML R49-1:2013			ISO 4064-1:2014 OIML R49-1:2013		
Nominal Diameter DN	DN15	DN20	DN25	DN15	DN20	DN25
Overall Dimension	165*98*254(mm)	195*98*254(mm)	225*98*254(mm)	165*98*254(mm)	195*98*254(mm)	225*98*254(mm)

Prepaid Hot & Cold Water Meters

Product						
Commercial Order Code	LXS			LXS		
Order Code	L510I10-C-0001	L510I11-C-0001	L510I12-C-0001	L510J00-C-0001	L510J01-C-0001	L510J02-C-0001
Product Name	Prepaid Cold Water Meter			Prepaid Cold Water Meter		
Ingress Protection (IP Rating)	IP68			IP68		
Accuracy Class	Class 2			Class 2		
Ambient Condition Class	Class B			Class B		
Working Pressure	≤1MPa			≤1MPa		
Pressure Loss	≤0.063MPa			≤0.063MPa		
Flow Range Ratio	R100			R100		
Flow Profile Sensitivity	U10 D5			U10 D5		
Temperature Class	T30			T30		
Sampling Method	Electronic Pulse			Electronic Pulse		
Battery Service Life	6 Years			6 Years		
Valve Type	Motorized Ball Valve			Motorized Ball Valve		
Prepayment Function	√			√		
Display	LCD Liquid Crystal Display			LCD Liquid Crystal Display		
Push-button	Touch Key			Touch Key		
Mechanical Register Reading	Max. 99999.9999 m³			Max. 99999.9999 m³		
Minimum Electronic Reading	0.1m³			0.1m³		
Power Supply	3.6V Lithium Battery			3.6V Lithium Battery		
Communication Interface	M-BUS	M-BUS	M-BUS	4G	4G	4G
Open Protocol Compatibility	CJ/T188 standard protocol & API available			API available		
Product Type	Rotary Vane Wet-Type Multi-Jet			Rotary Vane Wet-Type Multi-Jet		
Operating Temperature	5°C-55°C			5°C-55°C		
Operating Humidity	< 93% RH @40°C			< 93% RH @40°C		
Compliance Standard	ISO 4064-1:2014 OIML R49-1:2013			ISO 4064-1:2014 OIML R49-1:2013		
Nominal Diameter DN	DN15	DN20	DN25	DN15	DN20	DN25
Overall Dimension	165*89*108(mm)	195*89*108(mm)	225*89*108(mm)	165*89*108(mm)	195*89*108(mm)	225*89*108(mm)

Photoelectric Direct-Reading Cold Water Meter

Product						
Commercial Order Code	LXSY			LXSY		
Order Code	L700I00-C-0001	L700I01-C-0001	L700I02-C-0001	L700I10-C-0001	L700I11-C-0001	L700I12-C-0001
Product Name	Photoelectric Direct Reading Cold Water Meter			Photoelectric Direct Reading Cold Water Meter		
Ingress Protection (IP Rating)	IP65			IP65		
Accuracy Class	Class 2			Class 2		
Ambient Condition Class	Class B			Class B		
Working Pressure	≤1MPa			≤1MPa		
Pressure Loss	≤0.063MPa			≤0.063MPa		
Flow Range Ratio	R100			R100		
Flow Profile Sensitivity	U10 D5			U10 D5		
Temperature Class	T30			T30		
Sampling Method	Photoelectric Direct Reading			Photoelectric Direct Reading		
Battery Service Life	-			-		
Valve Type	-			-		
Prepayment Function	-			-		
Display	-			-		
Push-button	-			-		
Mechanical Register Reading	Max. 99999.9999 m³			Max. 99999.9999 m³		
Minimum Electronic Reading	1m³	1m³	1m³	0.01m³	0.01m³	0.01m³
Power Supply	MBus Bus Power Supply			MBus Bus Power Supply		
Communication Interface	M-BUS			M-BUS		
Open Protocol Compatibility	CJ/T188 standard protocol & API available			CJ/T188 standard protocol & API available		
Product Type	Dry Dial Multi-jet Water Meter			Dry Dial Multi-jet Water Meter		
Operating Temperature	5°C-55°C			5°C-55°C		
Operating Humidity	< 93% RH @40°C			< 93% RH @40°C		
Compliance Standard	ISO 4064-1:2014 OIML R49-1:2013			ISO 4064-1:2014 OIML R49-1:2013		
Nominal Diameter DN	DN15	DN20	DN25	DN15	DN20	DN25
Overall Dimension	165*98*122(mm)	195*98*122(mm)	225*98*122(mm)	165*98*122(mm)	195*98*122(mm)	225*98*122(mm)

Ultrasonic Water Meters

Product						
Commercial Order Code	LXC					
Order Code	LXC1331-C-0001	LXC2331-C-0001	LXC3331-C-0001	LXC1334-C-0001	LXC2334-C-0001	LXC3334-C-0001
Product Name	Ultrasonic Cold Water Meter					
Ingress Protection (IP Rating)	IP68					
Accuracy Class	Class 2					
Ambient Condition Class	Class B					
Working Pressure	≤1MPa					
Pressure Loss	≤0.063MPa					
Flow Range Ratio	250					
Flow Profile Sensitivity	U10 D5					
Temperature Class	T30					
Sampling Method	Ultrasonic Measurement					
Battery Service Life	7 Years					
Valve Type	Electric Ball Valve					
Prepayment Function	Supported					
Display	LCD					
Push-button	Touch Buttons					
Mechanical Register Reading	99999.999m³					
Minimum Electronic Reading	0.001m³					
Power Supply	3.6V Lithium Battery					
Communication Interface	4G			LoRaWAN		
Open Protocol Compatibility	API					
Product Type	Ultrasonic Measurement					
Operating Temperature	5°C-55°C					
Operating Humidity	< 93% RH @40°C					
Compliance Standard	ISO 4064-1:2014 OIML R49-1:2013					
Nominal Diameter DN	DN15	DN20	DN25	DN15	DN20	DN25
Overall Dimension	165*95*103(mm)	195*95*103(mm)	225*98*103(mm)	165*95*103(mm)	195*95*103(mm)	225*98*103(mm)

Smart Electricity Meter Series

- Diversified Product Portfolio
- Full-scenario Coverage
- New Smart Power Consumption Experience



Smart Electricity Meters Series

High-precision metering, simplify all power consumption statistics



Single-Phase
Meter DDSU1354

35mm DIN rail mount,
1-channel metering &
control, for centralized
cabinet installation



Single-Phase
Meter DDSU1354

35mm DIN rail mount, 2-channel
metering & control, for centralized
cabinet installation



Single-Phase
Meter DDS1354

Wall-mounted, 1-channel
metering & control, optional
4G communication



Single-Phase
Meter DDSU1351

Dual 35mm DIN rail / wall
mount; 4-input & 4-output,
A/B/C three-phase access, for
centralized cabinet installation

Single-phase Electronic Energy Meter DDSU1351 >

4-in-1 innovative design to cut cost & save cabinet space

Product Overview

DDSU1351 adopts standard 35mm DIN rail mounting with four independent measuring channels, supporting multi-meter per household or multi-household per meter mode. Compact size & easy installation. Widely used in schools, malls, apartments and office buildings for power safety, energy saving, smart prepaid & refined charging management.



Key Features

4-in-1 Solution
replaces four separate
60A centralized
single-phase meters

True Replacement
max 60A per channel, total
full load 240A

Four independent Channels
4-In/4-Out, supports any A/B/C
phase connection

Safe Power Usage
Comprehensive safety protection
against overload, overvoltage,
overcurrent & leakage

Application Scenarios



Product Certifications

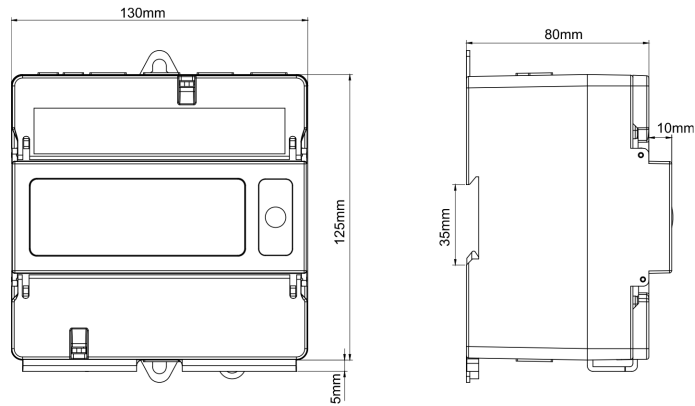


CPA Type Evaluation Certificate

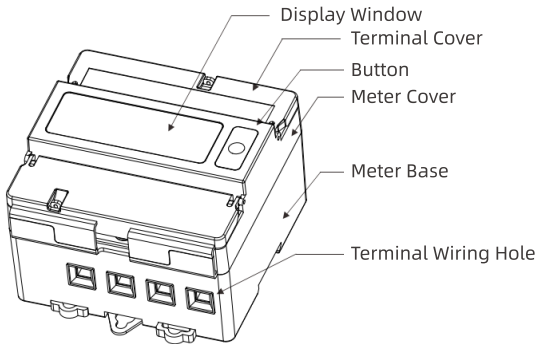


Type Evaluation Report

Dimensions



Size chart



External View

Smart Electricity Meter Series

Product				
Commercial Order Code	DDSU1351			DDSU1354
Order Code	N400E10	N400E13	N400E15	N402E03
Product Designation	Single-Phase Electronic Energy Meter			Single-Phase DIN Rail Mounted Energy Meter
Key Features	Four independent metering & control circuits Max. rated load capacity: 4 × 60 A 75% saving in installation space Remote switch on/off control Prepaid / Postpaid billing + abnormal power consumption protection			Dual-circuit metering & control; separate control for lighting and socket circuits DIN rail mounting, fits into standard PZ30 distribution boxes for dormitory decentralized installation Remote load switching Prepaid / postpaid billing & abnormal power protection
Accuracy Class	Class B			Class B
Meter Specification	Rated voltage: 220 V; Current: 0.1-0.5(40) A / 0.1-0.5(60) A			Rated Voltage: AC 220 V Current: 0.1-0.5 (60) A
Measuring Channels	4-ch	4-ch	3-ch	2-ch
Nominal Operating Voltage (AC)	176V - 253V			176V - 253V
Operating Temperature Range	-25°C -55°C			-25°C -55°C
Power Consumption	≤2W			≤2W
Communication Interface	Current Loop	RS485	RS485	Current Loop
Overall Dimensions	130*130*90(mm)			89*76*78(mm)

Smart Electricity Meter Series

Product					
Commercial Order Code	DDS1351		DDSU1354	DDSK1351	
Order Code	N403E00		N405J00	M103200	M103J01
Product Designation	Single-Phase Electronic Energy Meter		Single-Phase DIN Rail Energy Meter	Single-Phase Electronic Energy Meter	Single-Phase Electronic Energy Meter
Key Features	Dual-channel metering and independent control for lighting and socket circuits DIN rail mounting for central installation inside distribution cabinets Remote on/off switching control Prepaid / postpaid billing with abnormal power consumption protection		Single-channel metering & control DIN rail mountable Remote circuit switching Prepaid / postpaid tariff + abnormal power protection	Single-circuit metering & control Wall-mounted installation Remote load switching Prepaid & postpaid tariff options	
Accuracy Class	Class B		Class B	Class B	Class C
Meter Specification	Rated Voltage: AC 220 V Current: 0.1-0.5 (40) A		Rated Voltage: AC 220 V Current: 0.1-0.5 (63) A	Rated Voltage: AC 220 V Current: 0.1-0.5 (60) A	Rated Voltage: AC 220 V Current: 0.1-0.5 (60) A
Measuring Channels	2-ch		1-ch	1-ch	1-ch
Nominal Operating Voltage (AC)	176V - 253V		176V - 253V	176V - 253V	176V - 253V
Operating Temperature Range	-25°C -55°C		-25°C -55°C	-25°C -55°C	-25°C -55°C
Power Consumption	≤2W		≤2W	≤2W	≤2W
Communication Interface	Current Loop		4G Cat1	RS485	RS485
Overall Dimensions	128*45*128(mm)		100*37*67(mm)	133*121*54(mm)	133*121*54(mm)

Smart Electricity Meter Series

Product						
Commercial Order Code	DDS1354		DTS1354			
Order Code	M200208	M102209	M302000	M302J00	M302002	M302003
Product Designation	Single-Phase Electronic Energy Meter		Three-Phase Four-Wire Electronic Energy Meter			
Key Features	Wall-mounted design Remote power switching Prepaid / Postpaid billing modes Abnormal power usage protection		Three-phase energy metering & control Remote meter reading Expandable for wireless communication			
Accuracy Class	Class B		Class B	Class B	Class C	Class B
Meter Specification	Rated Voltage: AC 220 V Current: 0.1-0.5 (60) A		Rated Voltage: AC 380 V Current: 0.1-0.5 (80) A / 0.05-0.25 (6) A			
Measuring Channels	2-ch	1-ch	Phase A / B / C three-phase input			
Nominal Operating Voltage (AC)	176V - 253V		304V - 456V			
Operating Temperature Range	-25°C -55°C		-25°C -55°C			
Power Consumption	≤2W		≤2W			
Communication Interface	RS485	RS485	RS485	4G Cat1	RS485	RS485
Overall Dimensions	160*112*73(mm)		290*170*88(mm)			

Typical Case >



Building a World-Leading Integrated Smart Campus Service Platform

Since 2015, Newcapec has engaged in deep collaboration with Huawei. To date, Newcapec has served approximately 210,000 Huawei personnel worldwide. Aligning with Huawei's global expansion, Newcapec has progressively built a nationwide, globally connected smart campus one-card and integrated service system, establishing itself as a core partner in Huawei's global smart campus development.



A Benchmark for Group-Level Smart Campuses in the Automotive Industry

As a long-term core digital partner of Great Wall Motor, Newcapec has deeply served its six major production bases across China (Xushui, Chongqing, Tianjin, Yangzhong, Rizhao, and Taizhou). By adopting unified technical standards and a consistent platform architecture, Newcapec has built a comprehensive smart campus solution covering all dimensions of "people, vehicles, and assets," enabling Great Wall Motor to achieve unified digital management and highly efficient operations across multiple factory sites.



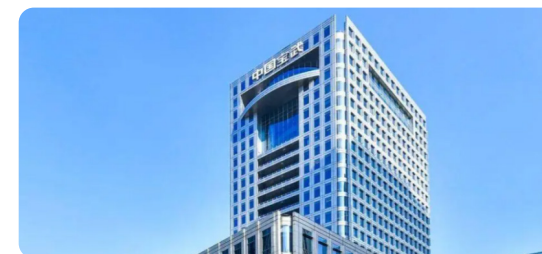
Co-building Smart Enterprise 3.0 to Empower the Digital Transformation of a World-Leading Energy Equipment Group

Newcapec has entered into a strategic partnership with TBEA. The engagement spans dual data centers in Beijing and Changji, four core platforms, and 22 scenarios across three categories—security, office, and living—achieving seamless connectivity among the Group's 14 industrial parks, 28 subsidiaries, and 25,000 employees. By leveraging entry, platform, data, and services as both the process and enablers, it has built a smart service ecosystem centered on the Smart Enterprise All-in-One Card, workforce management, big data integration implementation, and big data cloud O&M.



A Benchmark of Digitalized Smart Parks in the Steel Industry

The partnership between Newcapec and China Baowu Steel Group began in 2020 and has since grown into a deep strategic collaboration. Rooted in the steel industry's persistent pain points—large-scale plant sites, complex workforce structures, stringent safety standards, and decentralized management across multiple bases—the two parties jointly built an integrated group-level smart park solution. Covering Baowu's headquarters and multiple subsidiaries including Masteel and TISCO, this initiative stands as a benchmark practice for the deep convergence of digitalization and industrialization in the steel sector.



Typical Case >



Co-Building a Highly Secure, Integrated Smart Campus Service System

Newcapec has been deeply engaged in Tsinghua University's smart campus informatization upgrade, covering identity authentication for all students and faculty, campus payments, access control, water control, conference check-in, and municipal public transit. The company provides Tsinghua with a full-chain service spanning platform construction, terminal adaptation, NFC mobile card issuance, and operational maintenance support, empowering Tsinghua's smart campus development to continue leading among Chinese universities.



Building a New Benchmark for All-Scenario Smart Campus Services

Newcapec, a smart campus leader with over 20 years of deep expertise in education informatization, has built a strong partnership with Peking University. Leveraging its industry-leading payment middle-platform technology, full-stack smart campus solutions, and robust ecosystem integration capabilities, the two parties are jointly advancing the university's digital transformation to new heights. The collaboration focuses on core areas such as the construction of a comprehensive campus payment platform, the deployment of holistic smart canteen solutions, and the optimization and upgrade of the "One-Campus-Pass" system, thereby empowering Peking University's smart campus development across all dimensions.



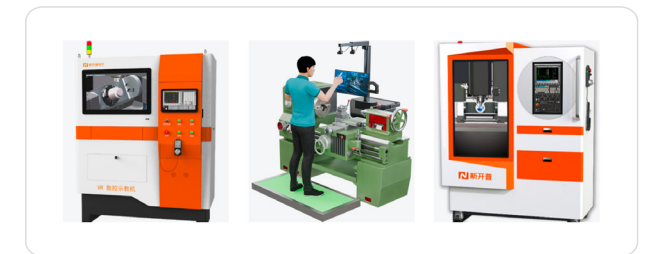
A Benchmark Case in Smart Campus Development

The partnership between Newcapec and Fudan University began in 2004, starting with the construction of an academic affairs management system and progressively expanding to a full spectrum of information-based scenarios, including campus smart cards, smart logistics, and AI-powered teaching and training. Having worked together for more than two decades, Newcapec has closely aligned with Fudan's "Interconnection · Integration" philosophy for informatization, deeply engaging in multiple key milestones of the university's digital transformation. This collaboration has produced a series of exemplary smart campus achievements and set a benchmark for university-enterprise cooperation.



Technology Empowerment, Building a New Benchmark for Industry-Education Integration and Smart Campus

With over 20 years of deep expertise in education informatization, Newcapec has forged a comprehensive, multi-level strategic partnership with Xidian University, leveraging its full-stack smart campus solutions and leading digital technology capabilities. The collaboration focuses on two major dimensions: first, smart campus infrastructure; second, industry-education integration and AI-driven innovation. Together, the two parties have jointly developed VR virtual simulation teaching products, co-established an electronic information industry college, and put into practice a new university-enterprise cooperation paradigm defined by "demand-led, platform-enabled, and collaborative talent development."



Enterprise Reference Cases >

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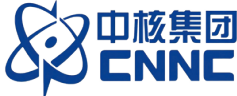
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Campus Reference Cases >



Tsinghua University



Peking University



Renmin University of China



China Agricultural University



Hainan University



Xinjiang University



Beijing University of Chinese Medicine



Qinghai University



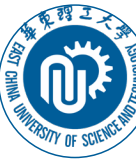
Minzu University of China



China University of Mining and Technology



Central University of Finance and Economics



East China University of Science and Technology



Northeastern University



Tianjin University



Northeast Normal University



Ningxia University



Beihang University



University of International Business and Economics



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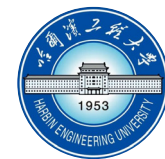
Xidian University



East China Normal University



Yunnan University



Harbin Engineering University



Communication University of China



University of Science and Technology Beijing



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18 Yingchun Street, High-tech Development Zone, Zhengzhou, China

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