Access Innovation Heart Driven

PRODUCT
Catalog

HEART TECH ENTERPRISE CO.,LTD

RFID
AMHS
ACCESS CONTROL
GPS AIoT




CARD
HEART

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semiconductor

AMHS

TIRIS PROXIMITY TAG CIDRW Controller

HR4132A

RS232 PLC / ASCII protocol

Single-antenna RFID controller, suitable for basic AMHS applications.

Supports RS232 communication interface.

Standard size design, suitable for general installation requirements.



Dimensions : 147 x 110 x 28 mm
Weight: 430g

Interface Indicators

ST (Status LED)
RX (Receive LED)
TX (Transmit LED)
ADDRESS (DIP switch)
RESET (Reset Button)
DC 12~24V Power Interface

ISP (Update Interface)
RS232 COM Communication Interface
REMOTE I/O (Remote Input/Output Interface)
ANT Antenna Interface



TIRIS PROXIMITY TAG CIDRW Controller

HR4132S RS232 PLC / ASCII protocol

Single-antenna RFID controller, suitable for space-limited environments.

Supports RS232 communication interface.

Simplified interface design, suitable for basic system integration.

Compact design for easy installation and integration.

Dimensions : 128.4 x 72 x 31 mm
Weight: 280g





Interface Indicators

ST (Status LED)
RX (Receive LED)
TX (Transmit LED)
ADDRESS (DIP switch)
RESET (Reset Button)

DC 10~24V Power Interface
RS232 Communication Interface
ANT Antenna Interface

TIRIS PROXIMITY TAG CIDRW Controller

HR4138

RS232 SEMI SECS protocol

RS485 ⇆ HR4137 Gateway

Single-antenna RFID controller.

Supports RS232 and RS485 communication.
*(RS485 only supports communication with the HR4137 Gateway.)

Suitable for multi-device communication applications.

Standard size design for easy system deployment.

Dimensions : 147 x 110 x 32 mm
Weight : 450g





Interface Indicators

DC 10~24V Power Interface
FUNCTION (DIP switch)
ADDRESS (DIP switch)
ST (Status LED)
RX (Receive LED)
TX (Transmit LED)

ANT Antenna Interface
RS232 Communication Interface
RS485 Communication Interface x2

TIRIS PROXIMITY TAG CIDRW Controller

HR4138S

RS232 SEMI SECS protocol

RS485 ⇆ HR4137 Gateway

Single-antenna RFID controller.

Supports RS232 and RS485 communication.
*(RS485 only supports communication with the HR4137 Gateway.)

Supports DIP switch and address rotary switch settings for easy on-site adjustment.

Compact design for easy installation and integration.

Dimensions : 128.4 x 72 x 31 mm
Weight : 330g



Interface Indicators

DC 10~24V Power Interface
FUNCTION (DIP switch)
ADDRESS (Rotary DIP switch)
ST (Status LED)
RX (Receive LED)
TX (Transmit LED)

ANT Antenna Interface
RS485 Communication Interface x2
RS232 Communication Interface



TIRIS PROXIMITY TAG Gateway

HR4137

RS232 | Ethernet | SEMI SECS protocol

RS485 ⇆ HR4138 or HR4138S



Supports RS232 and RS485 communication.
*(RS485 only supports communication with HR4138 or HR4138S.)

Serves as a bridge between the controller and multiple RFID devices.

Suitable for multi-device integration applications.

Dimensions : 147 x 108.2 x 32 mm
Weight : 450g

Interface Indicators

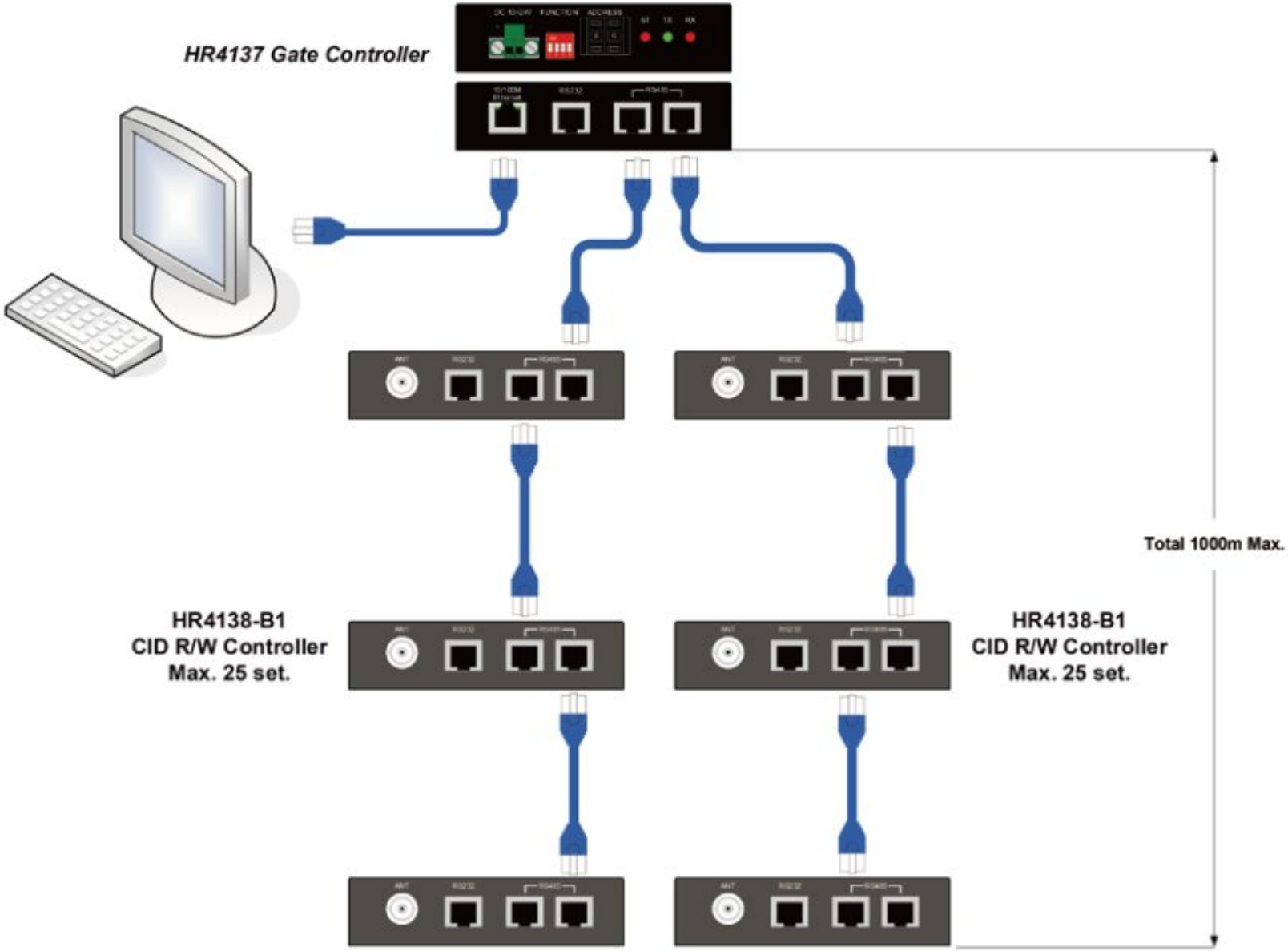
DC 10~24V Power Interface
FUNCTION (DIP switch)
ADDRESS (DIP switch)
ST (Status LED)
RX (Receive LED)
TX (Transmit LED)

Ethernet Ethernet Interface
RS232 Communication Interface
RS485 Communication Interface x2



System Architecture

HR4137 & (HR4138 or HR4138S)



TIRIS PROXIMITY TAG CIDRW Controller

HR4138H

Ethernet

SEMI HSMS protocol

Supports SEMI HSMS communication protocol.

Supports TARGETID read/write function.

Designed for semiconductor equipment integration and HSMS communication architecture.



Dimensions : 147 x 110 x 32 mm
Weight : 450g

Interface Indicators

DC 10~24V Power Interface
FUNCTION (DIP switch)
ST (Status LED)
RX (Receive LED)
TX (Transmit LED)

Ethernet Ethernet Interface
ANT Antenna Interface



TIRIS PROXIMITY TAG
Mid-Level

CIDRW Gateway / Controller

HR4142

RS232 | RS485 | Ethernet | SEMI SECS / HSMS protocol



Interface Indicators

ST (Status LED)
RX (Receive LED)
TX (Transmit LED)
LAN Ethernet Interface
RS232 Communication Interface
RS485 Communication Interface x2
DC 10~24V Power Interface

ADDRESS (Rotary DIP switch)
FUNCTION (DIP switch)
ANT Antenna Interface x4

4-antenna design, supporting multi-point RFID reading.

Supports LAN, RS232, and RS485 communication.

Supports HSMS communication protocol for fast integration with MES and automation systems.

Designed for advanced AMHS systems.

Suitable for complex system integration.

Dimensions : 183.4 x 134 x 31.5 mm
Weight : 550g

TIRIS PROXIMITY TAG CIDRW Controller

Mid-Level

HR4143

RS485

SEMI SECS / HSMS protocol



Interface Indicators

ST (Status LED)
RX (Receive LED)
TX (Transmit LED)
RS485 Communication Interface x2
DC 10~24V Power Interface

ADDRESS (Rotary DIP switch)
FUNCTION (DIP switch)
ANT Antenna Interface x4

4-antenna expansion module, used with HR4142.

Supports HSMS communication protocol for fast integration with MES and automation systems.

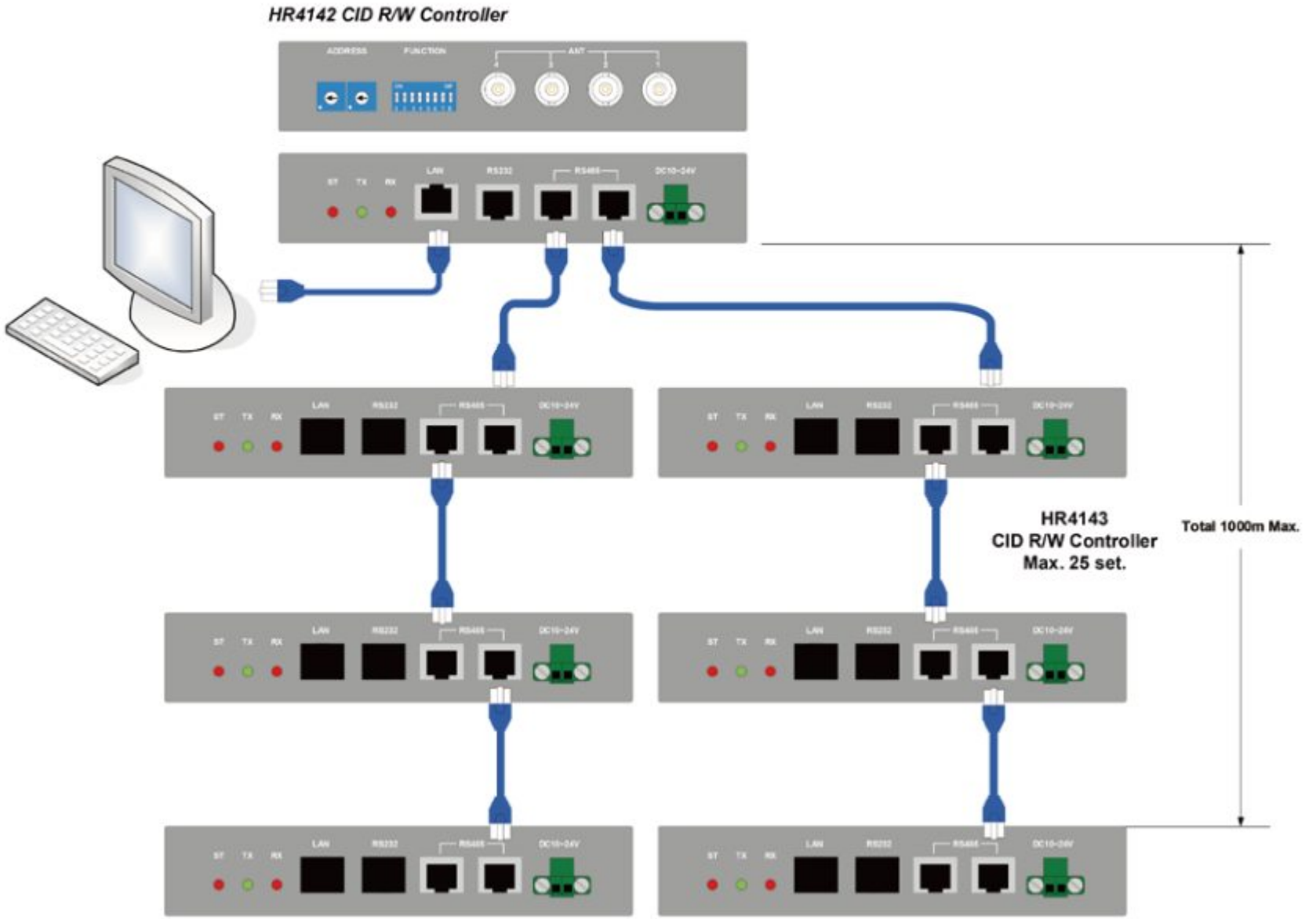
Supports multiple units in daisy-chain connection to improve system scalability.

Serves as an extension device for the main controller to expand reading devices.
Suitable for AMHS architecture deployment.

Dimensions : 183.4 x 134 x 31.5 mm
Weight : 550g

System Architecture

HR4142 & HR4143



Solutions

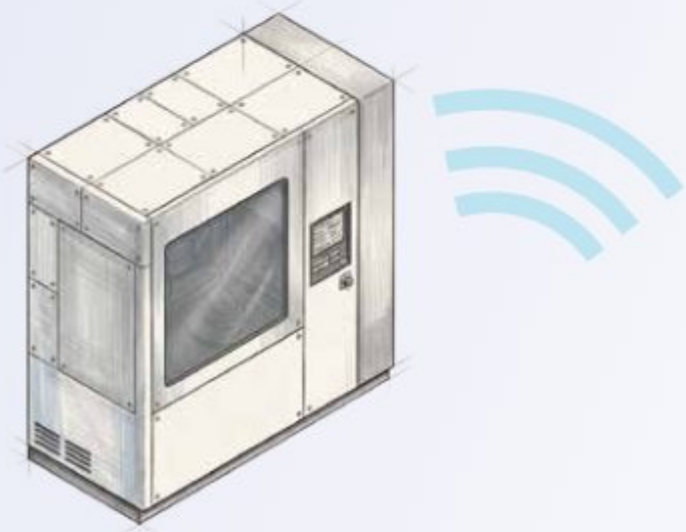


Helping enterprises build high-performance RFID readers for AMHS applications, reducing costs while ensuring high quality.

With the rapid growth of the global semiconductor industry, Automated Material Handling Systems (AMHS) have become a key technology in high-tech manufacturing processes.
We provide internationally compliant RFID readers designed to replace high-cost international brand equipment, while maintaining stable performance and consistent quality.

By working closely with enterprise R&D teams, we deeply analyze the technical requirements of AMHS systems, including antenna matching, signal stability, accurate reading, and multi-country certification requirements.
Our solution not only achieves seamless integration with international brand readers, but also significantly optimizes cost control, helping enterprises reduce overall investment and improve market competitiveness.

As global production capacity continues to expand, our readers have been widely adopted in newly built factories across multiple countries, ensuring stable and consistent production line systems worldwide.
Heart Tech' s ODM development capability is once again demonstrated through highly customized products, providing customers with more flexible, efficient, and cost-competitive solutions.



Precision Dispatching × Modular Flexibility

Building an Efficient and Stable AMHS Wafer Automated Handling System

AMHS Automated Logistics FOUP Identification and Tracking

Using RFID/vision recognition to achieve real-time identification and accurate location tracking of all carriers, ensuring transparent material flow.

FOUP Verification and Process Control for Manufacturing Equipment

Verifies incoming carriers at the equipment side and automatically records process parameters, ensuring correct process execution and traceable data.





Wafer Sorting and Cross-Area Transportation System

Through FOUP identification and AGV control, wafers can be efficiently sorted and transferred across different areas, both between floors and within the same floor.

History Management and Full-Process Traceability

Data is read and written at key checkpoints to establish complete carrier usage records. Integrated with the system, it enables full process history management and ensures information traceability.

Core Advantages

01

Core Technology

Built on precise control, intelligent collaboration, and high flexibility, the system uses advanced algorithm-based dispatching mechanisms to ensure stable, efficient, and smooth overall operation.

02

System Architecture and Applications

Designed with a modular architecture, it supports fast adjustment and flexible expansion, creating reliable and highly scalable advanced process logistics applications. It is widely suitable for industrial automation, asset tracking, logistics management, and access control systems.

03

Environmental Adaptability

With excellent environmental resistance, it supports an operating temperature range of -10 to +70°C and can withstand high-humidity environments up to 85% RH, enabling stable operation in harsh and changing industrial environments and ensuring long-term reliable performance.





Model Comparison Table

Model	HR4132A	HR4132S	HR4138	HR4138S	HR4137	HR4138H	HR4142	HR4143
Appearance								
Weight (No freezing)	430g	280g	450g	330g	450g	450g	550g	550g
Dimensions(mm)	147 x 110 x 28	128.4 x 72 x 31	147 x 110 x 32	128.4 x 72 x 31	147 x 108.2 x 32	147 x 110 x 32	183.4 x 134 x 31.5	183.4 x 134 x 31.5
Communications control standard	PLC / ASCII protocol		SEMI SECS protocol			SEMI HSMS protocol	SEMI SECS / HSMS protocol	
Communication interface	RS-232		RS-232 or RS485		RS-232 or RS485 or Ethernet	Ethernet	RS-232 or RS485 or Ethernet	RS485
Current Consumption @12VDC	Average 50mA		Average 60mA				Average 120mA	
Transponder Type	TIRIS Tag (Single & Multi page Transponder)							
Supply Voltage Range	DC 10 ~ 24 V						DC 24 V	
Transmitting Radio Frequency	Typical 134.2KHz (FSK)							
Synchronization	Asynchronous mode,start-stop synchronization							
Mounting system	Secured with two or four M4 screws. (Use the enclosed washers)							
Operation ambient temperature	-10 ~ +70°C (No freezing)							
Operating ambient humidity	10 ~ 85%RH (No dew condensation)							
Storage ambient temperature	-20 ~ +85°C (No freezing)							
Storage ambient humidity	5 ~ 95%RH (No dew condensation)							

Ordering Information

HR4132A



TIRIS PROXIMITY TAG CIDRW Controller

Model name	Antenna Code	Antenna Cable Length
HR4132A-L-2M	AT4105 recatangular antenna	2 meter
HR4132A-L-3M		3 meter
HR4132A-L-5M		5 meter
HR4132A-S-2M	AT4104 Stick antenna	2 meter
HR4132A-S-3M		3 meter
HR4132A-S-5M		5 meter
HR4132A-N	None antenna	

HR4132S



TIRIS PROXIMITY TAG CIDRW Controller

Model name	Antenna Code	Antenna Cable Length
HR4132S-L-2M	AT4105 recatangular antenna	2 meter
HR4132S-L-3M		3 meter
HR4132S-L-5M		5 meter
HR4132S-S-2M	AT4104 Stick antenna	2 meter
HR4132S-S-3M		3 meter
HR4132S-S-5M		5 meter
HR4132S-N	None antenna	

HR4138



TIRIS PROXIMITY TAG CIDRW Controller

Model name	Antenna Code	Antenna Cable Length
HR4138-L-2M	AT4105 recatangular antenna	2 meter
HR4138-L-3M		3 meter
HR4138-L-5M		5 meter
HR4138-S-2M	AT4104 Stick antenna	2 meter
HR4138-S-3M		3 meter
HR4138-S-5M		5 meter
HR4138-N	None antenna	

HR4138S



TIRIS PROXIMITY TAG CIDRW Controller

Model name	Antenna Code	Antenna Cable Length
HR4138S-L-2M	AT4105 recatangular antenna	2 meter
HR4138S-L-3M		3 meter
HR4138S-L-5M		5 meter
HR4138S-S-2M	AT4104 Stick antenna	2 meter
HR4138S-S-3M		3 meter
HR4138S-S-5M		5 meter
HR4138S-N	None antenna	

HR4137



TIRIS PROXIMITY TAG Gateway

Model name	Antenna Code	Antenna Cable Length
HR4137-N	None antenna	

HR4138H



TIRIS PROXIMITY TAG CIDRW Controller

Model name	Antenna Code	Antenna Cable Length
HR4138H-L-2M	AT4105 recatangular antenna	2 meter
HR4138H-L-3M		3 meter
HR4138H-L-5M		5 meter
HR4138H-S-2M	AT4104 Stick antenna	2 meter
HR4138H-S-3M		3 meter
HR4138H-S-5M		5 meter
HR4138H-N	None antenna	

HR4142



TIRIS PROXIMITY TAG CIDRW Gateway / Controller

Model name	Antenna Code	Antenna Cable Length
HR4142-L-2M	AT4105 recatangular antenna	2 meter
HR4142-L-3M		3 meter
HR4142-L-5M		5 meter
HR4142-S-2M	AT4104 Stick antenna	2 meter
HR4142-S-3M		3 meter
HR4142-S-5M		5 meter
HR4142-N	None antenna	

HR4143



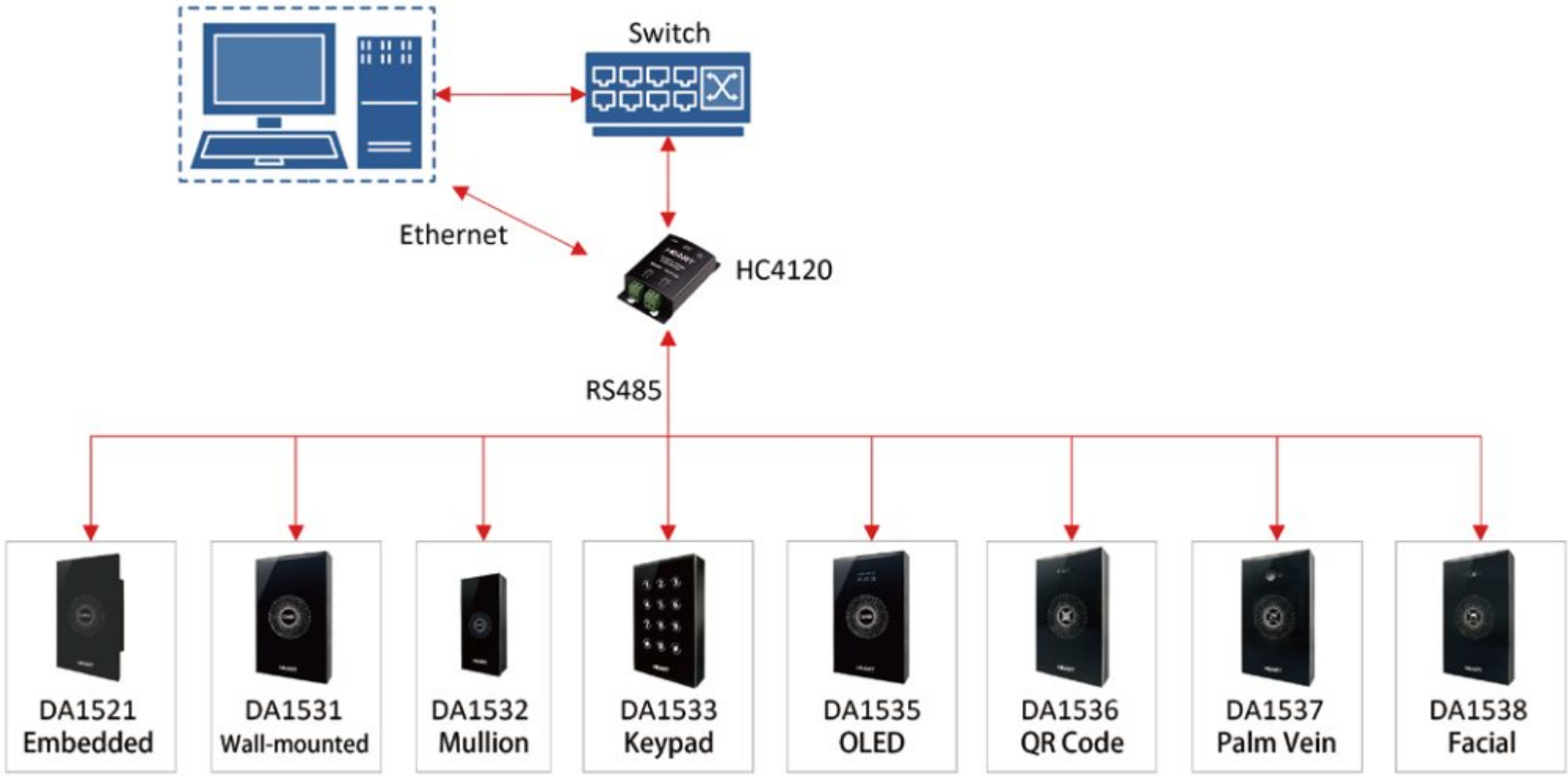
TIRIS PROXIMITY TAG CIDRW Controller

Model name	Antenna Code	Antenna Cable Length
HR4143-L-2M	AT4105 recatangular antenna	2 meter
HR4143-L-3M		3 meter
HR4143-L-5M		5 meter
HR4143-S-2M	AT4104 Stick antenna	2 meter
HR4143-S-3M		3 meter
HR4143-S-5M		5 meter
HR4143-N	None antenna	



ACCESS CONTROL

Crystal Series Access Control Products



DA1521

Crystal Series

Embedded
Access Controller / Reader

Slim and lightweight body with a tempered glass front panel, featuring a modern and elegant design.

Suitable for embedded installation in walls, door frames, or equipment panels for access control applications.

Commonly used in residential buildings, commercial offices, interior installations, and corporate entrances.

Supports both Standalone Mode and Networked Mode.



Basic Specifications

Color: Black / White
Material: Tempered Glass Panel
Indicator: 4-Color LED
(White / Blue / Red / Green)
Card Capacity: 4,000 Cards
Patrol Card Capacity: 10 Cards
Event Log Capacity: 4,000 Records

DA1531

Crystal Series

Wall-mounted
Access Controller / Reader

Modular wiring and backplate design, with built-in wall-mount fixing holes.

Suitable for quick wall installation, providing high installation flexibility.

Commonly used at office and factory entrances, enabling fast and convenient deployment.

Supports both Standalone Mode and Networked Mode.



Basic Specifications

Color: Black / White
Material: Tempered Glass Panel
Indicator: 4-Color LED
(White / Blue / Red / Green)
Card Capacity: 4,000 Cards
Patrol Card Capacity: 10 Cards
Event Log Capacity: 4,000 Records

DA1532

Crystal Series

Mullion

Access Controller / Reader

Slim-edge design with a compact and refined appearance, allowing installation on specific wall surfaces.

Ideal for locations with limited installation space, commonly used on door frames and narrow entrances such as elevators.

Supports both
Standalone Mode and
Networked Mode.



Basic Specifications

Color: Black
Material: Tempered Glass Panel
Indicator: 4-Color LED
(White / Blue / Red / Green)
Card Capacity: 4,000 Cards
Patrol Card Capacity: 10 Cards
Event Log Capacity: 4,000 Records

DA1533

Crystal Series

Keypad

Access Controller / Reader

Touch keypad with backlit display ensures accurate operation even in low-light environments.

Suitable for environments requiring dual authentication with card and PIN code, such as server rooms, control rooms, and internal office areas, enhancing access control flexibility and security.

Supports both
Standalone Mode and
Networked Mode.



Basic Specifications

Color: Black
Material: Tempered Glass Panel
Indicator: 4-Color LED
(White / Blue / Red / Green)
Card Capacity: 4,000 Cards
Patrol Card Capacity: 10 Cards
Event Log Capacity: 4,000 Records

DA1535

Crystal Series

OLED
Access Controller / Reader

Built-in OLED screen displays real-time date and time information, improving readability.

Suitable for access control areas that require real-time time information, commonly used in corporate offices, factory employee entrances, and commercial building entrances.

Supports both
Standalone Mode and
Networked Mode.



Basic Specifications

Color: Black
Material: Tempered Glass Panel
Indicator: 4-Color LED
(White / Blue / Red / Green)
Card Capacity: 4,000 Cards
Patrol Card Capacity: 10 Cards
Event Log Capacity: 4,000 Records

DA1536

Crystal Series

QR code
Access Controller / Reader

Supports XTEA-encrypted QR code card number reading

Suitable for visitor management and temporary access control, supporting temporary entry and exit across multiple locations.

Commonly used in commercial reception areas, shared workspaces, and public facility entrances.

Supports both
Standalone Mode and
Networked Mode.



Basic Specifications

Color: Black
Material: Tempered Glass Panel
Indicator: 4-Color LED
(White / Blue / Red / Green)
Card Capacity: 4,000 Cards
Patrol Card Capacity: 10 Cards
Event Log Capacity: 4,000 Records



Applicable Areas:

Suitable for office buildings, business centers, shared office spaces, residential communities, hotels, schools, fitness centers, exhibition venues, and other locations requiring visitor management.

It is especially suitable for applications such as visitor reservation, electronic ticketing, and contactless access management.



For visitors, contractors, or short-term access needs,
the system provides time-limited and traceable access management.

Visitors can verify their identity through QR Code or designated access control devices, and are only allowed to access authorized areas during the approved time period.

All entry and exit activities can be fully recorded, effectively reducing manual management workload and security risks caused by shared access credentials.



DA1536
QR code
Access Controller / Reader

Visitor Identity and Temporary Access Management

DA1537

Crystal Series

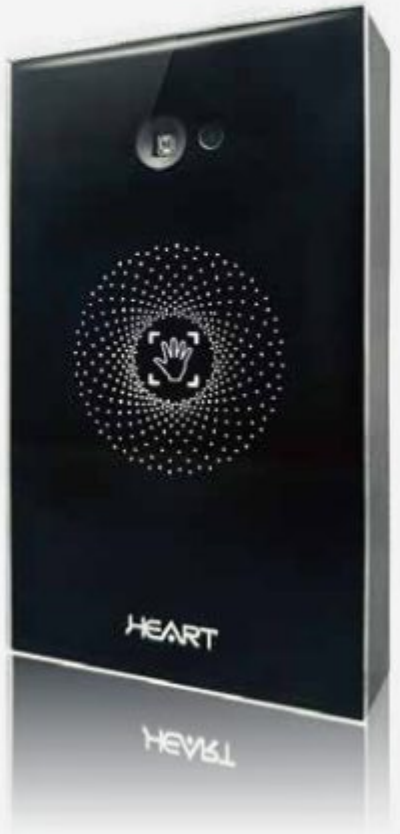
Palm Vein

Access Controller / Reader

Supports palm vein scanning for access authentication, with a scanning distance of 10–30 cm.

Suitable for high-security environments, commonly used in financial institutions, information security systems, and confidential data rooms.

Supports both
Standalone Mode and
Networked Mode.



Basic Specifications

Color: Black
Material: Tempered Glass Panel
Indicator: 4-Color LED
(White / Blue / Red / Green)
Card Capacity: 4,000 Cards(Includes 2,000 Palm Vein templates)
Patrol Card Capacity: 10 Cards
Event Log Capacity: 4,000 Records



DA1538

Crystal Series

Facial Recognition
Access Controller / Reader

Supports facial recognition for access authentication, with a scanning distance of 40–90 cm and a recognition height range of 1.2–2.1 m.

Suitable for high-traffic environments requiring fast access, commonly used in corporate campus lobbies and public entrances, enabling quick identification and reduced waiting time.

Supports both
Standalone Mode and
Networked Mode.



Basic Specifications

Color: Black
Material: Tempered Glass Panel
Indicator: 4-Color LED
(White / Blue / Red / Green)
Card Capacity: 4,000 Cards(Includes 100 face templates)
Patrol Card Capacity: 10 Cards
Event Log Capacity: 4,000 Records





Identity verification is performed through biometric features such as facial recognition and palm vein recognition, replacing traditional card or password methods and preventing risks such as loss, misuse, and proxy card swiping.

Applicable Areas:

Suitable for high-security areas such as server rooms, R&D departments, and restricted spaces. It effectively improves access control security while maintaining smooth access efficiency.





DA1537
Palm Vein
Access Controller / Reader



DA1538
Facial Recognition
Access Controller / Reader

High-Security Biometric Authentication

Cleanroom ESD Testing & Personnel Counting Access Control System



Applicable Areas:

SMT production line restricted areas, semiconductor cleanrooms, high-tech R&D laboratories, national defense and military ESD control areas, explosive handling areas, aerospace maintenance and calibration areas, pharmaceutical ESD control areas, hospital restricted areas, biochemical industry ESD control areas, and other environments requiring ESD protection testing and personnel access management.



HA5035AF

Proximity Access Control Reader

RS232 RS485

Product Features

- Supports standalone and networked access control management modes
- Can manage 10,000 access cards and 6,000 card-swipe records
- Supports card access, personal password, and card number door opening
- Supports time zone control and anti-passback function
- Supports door held open, forced entry/exit, and tamper alarm functions

Basic Parameters

Display Screen:
Chinese: 9 Chinese characters x 2 lines
English: 18 English characters x 2 lines
Supported Cards: EM, HID, Mifare, TI
Memory Capacity: 10,000 cards / 6,000 records
Material: ABS (UL94V0)
Certifications: CE, FCC
Battery Capacity: Data retention IC works for approximately 60 days during power failure



GZ-600-T

ESD Access Control Tester

RS232

Product Features

- 100% independent testing for left and right ESD footwear
- Can test ESD footwear and ESD wrist straps at the same time
- Supports standard wrist straps and dual-wire loop wrist straps
- Digital display of actual measured resistance value
- Provides Near Fail warning function

Basic Parameters

Input Power: 100-240VAC, 50/60Hz, 1A
Controller Power: 15VDC, 1A
Relay Specification: 1A / 30VDC
Test Modes: Hands only, feet only, hands and feet, hands OR feet
Test Upper/Lower Limits: Adjustable according to US/EU standards
Display Method: LCD digital display of measured resistance value

HA6635 Mid-Level

Networked BLE mobile
Access Controller / Reader





Supports various MIFARE lock cards and visitor card functions.

Supports features such as duress alarm, security patrol inspection, and dual-lane barrier gate control, and provides two types of anti-passback control methods.

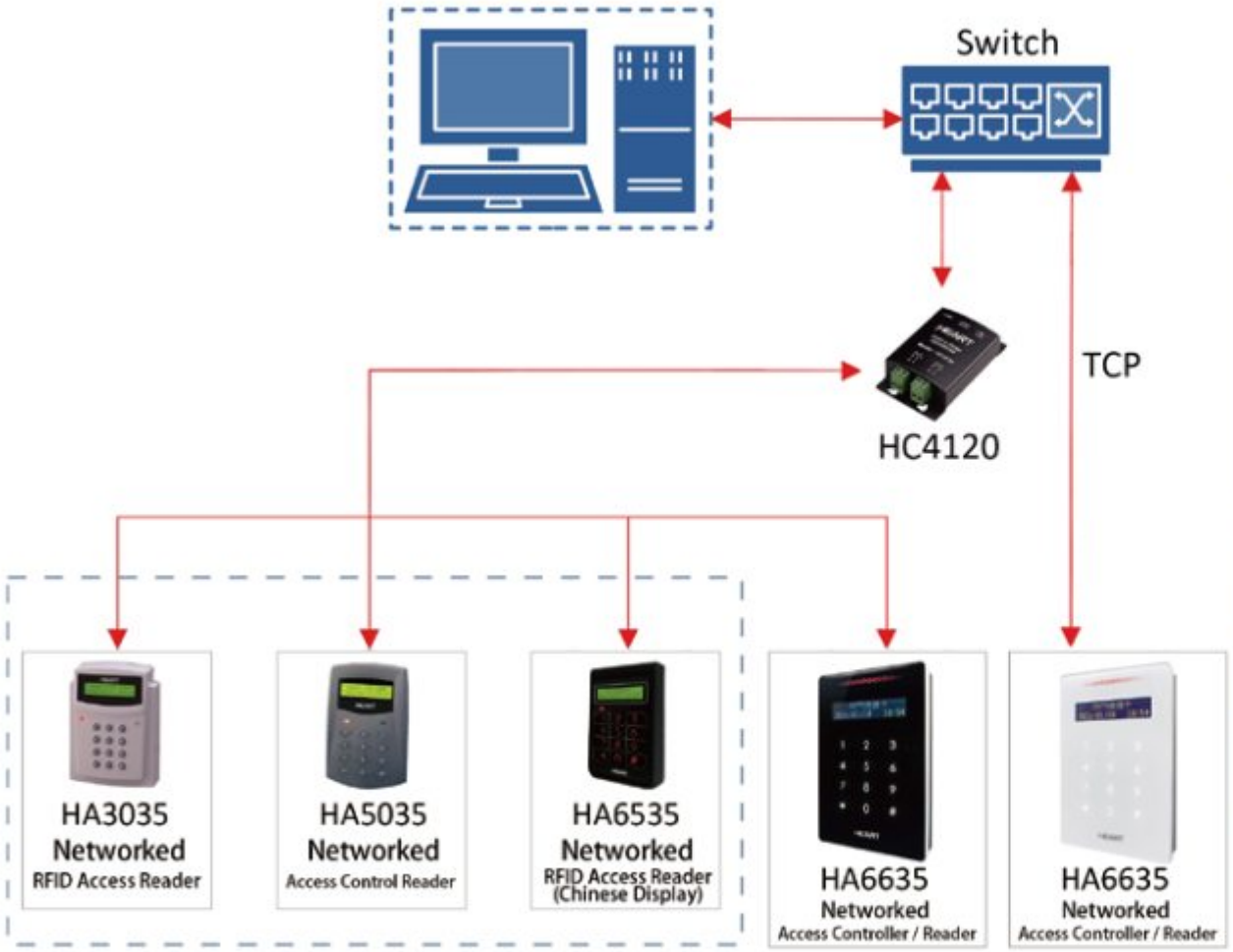
Supports connection to exit buttons, auxiliary readers, QR code scanners, and printers, with real-time door access record printing.

Suitable for indoor access control environments requiring entry authorization and record management, commonly used at office entrances, meeting rooms, server rooms, pharmaceutical storage rooms, and controlled access areas.

Basic Specifications

Color: Black / White
Material: Tempered Glass Panel
Indicator: Dual-Color LED (Red / Green), Keypad Backlight (White)

Card Capacity: 10,000 Cards
Event Log Capacity: 7,200 Records
Communication Interface: Ethernet or RS-485



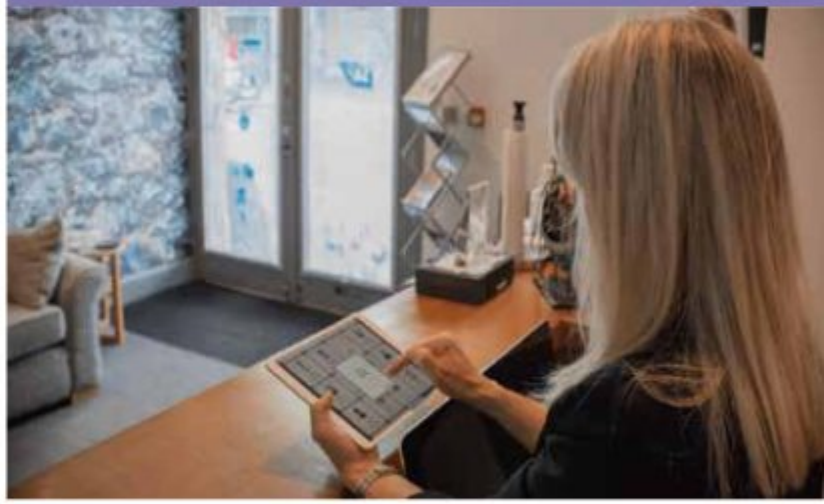
Real-Time Networked Access Control Management Architecture

Applicable Areas :

Suitable for multi-site, multi-floor, or centralized management environments, improving overall management efficiency and system real-time responsiveness.

Through integration between networked access control devices and the backend system, user permissions, device status, and access records can be synchronized in real time.

Administrators can remotely configure settings, adjust permissions, and monitor abnormal events.



DL1300A

Cabinet Electronic Lock Controller

Built-in Normally Closed (NC) solenoid lock, which remains locked when power is off and unlocks when power is supplied, ensuring the door cannot be opened during a power outage.

Equipped with a mechanical key cylinder, allowing the door to be manually unlocked with a key during power failure.

Supports both Standalone Mode and Networked Mode.







Basic Specifications

Color: Black
Material: Zinc Alloy, ABS
Indicator: Dual-Color LED (Red / Green)
Card Capacity: 2,000 Cards
Patrol Card Capacity: 10 Cards
Event Log Capacity: 1,500 Records

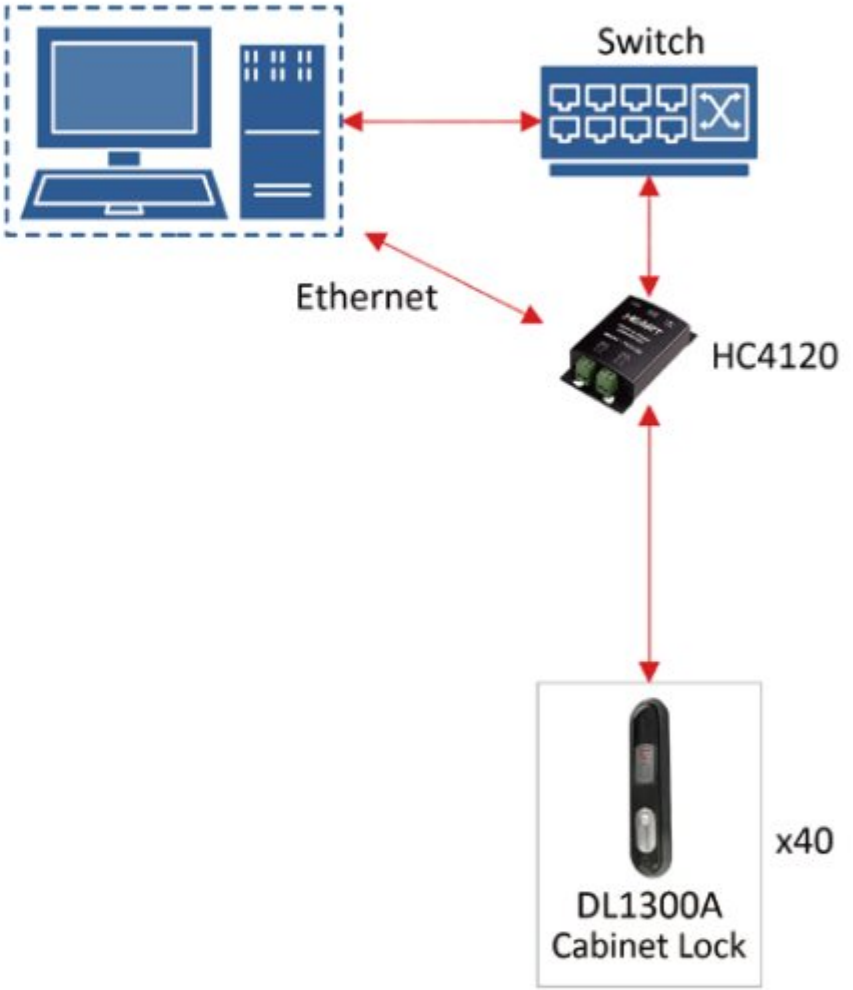
Applicable Areas:

Suitable for server rooms, industrial sites, and critical equipment environments.

This architecture provides electronic control for server cabinets, communication equipment, and critical equipment enclosures, clearly recording each opening time and user identity.

Access permissions are managed through the access control system, effectively reducing the risk of equipment misuse and unauthorized operation.





Equipment Cabinet Electronic Lock Control Architecture



DR1356

Crystal Series

Mifare Reader

Supports reading ISO/IEC 14443A format cards,
and can be used with standard MIFARE cards or fingerprint cards,
allowing model selection based on application requirements.

The LED indicator and buzzer can be controlled externally.

Suitable for front-end card reader applications
in access control systems, commonly used in
residential buildings, offices, and elevator floor
control environments.



Basic Specifications

Color: Black / White
Material: Tempered Glass Panel
Indicator: 3-Color LED
(Blue / Red / Green)

HLR6202

Industrial-Grade UHF RFID Reader

超高頻UHF RFID工業級讀寫器

採用超高頻 UHF RFID 技術，具備穩定的讀寫效能與彈性調整能力，搭配多元通訊與控制方式，
可靈活整合不同設備與系統，滿足多樣化的識別與讀寫應用需求

機身小巧、安裝便利，具IP65防塵防水設計







基本參數

顏色：深灰
工作頻率：840–960 MHz
讀卡距離：0–2 m，可調整
感應範圍：60~90°
支援協議：ISO 18000-6C / EPC C1G2
通訊介面：RS232 / RS485 / USB / Wiegand
防塵防水：IP65

HLR6235/HLR6268/HLR6215

UHF Long-Range RFID Reader

UHF 長距離讀卡機(3~5米/6~8米/15米)

符合 ISO 18000-6C (EPC GEN2) 標準，採用研發專利設計降低 EMI 輻射，提升讀取與應用穩定性

支援 RS485、Wiegand 通訊輸出，並可搭配外部感測器與控制設備，提供更彈性的系統整合應用

具備低耗電節能設計，兼顧長時間運作與節能需求，適用於停車場及門禁管理等應用



基本參數

顏色：白
感應距離：3~5m / 6~8m / 15m (依機型而異)
感應範圍：HLR6215：120°
　　HLR6268：70°
支援協議：ISO 18000-6C EPC GEN2
通訊介面：RS485 / Wiegand
防塵防水：IPX6

HP1506N25

Access I/O Controller



Provides power supply for card readers and electric locks, and can control relay operations.
Supports connection to an external backup battery.

Triggers an alarm when communication with the access control controller is lost.

When connected with a reader and auxiliary reader using a 0.5 mm cable, the connection distance can reach up to 50 meters.
For a single reader connection, the distance can reach up to 100 meters.

Basic Specifications

Color: Grey
Indicator: Single-Color LED (Red / Green)

DEX110

Crystal Series

Door Release Button
(American Standard)



Slim body with tempered glass panel design, featuring a simple and stylish appearance.
Embedded installation design.

Contactless door opening with a sensing distance of 5-15 cm.
Dual-color LED indicator: standby - blue or red optional; door open - green.

Can be used with magnetic locks and access control devices.

Basic Specifications

Color: Black / White
Material: Tempered Glass Panel
Indicator: Dual-Color LED (Blue or Red / Green)

Access Control Reader & Controller Selection Guide

	 **DA1521** Embedded Access Controller/ Reader	 **DA1531** Wall-mounted Access Controller/ Reader	 **DA1532** Mullion Access Controller/ Reader	 **DA1533** Keypad Access Controller/ Reader	 **DA1535** OLED Access Controller/ Reader	 **DA1536** QR code Access Controller/ Reader	 **DA1537** Palm Vein Access Controller/ Reader	 **DA1538** Facial Recognition Access Controller/ Reader	 **DR1356** Mifare Reader	 **HA6635** Networked Access Controller/ Reader
Door Control	✦	✦	✦	✦	✦	✦	✦	✦		✦
Card Reading	✦	✦	✦	✦	✦	✦	✦	✦	✦	✦
Image Sensor Module						✦	✦	✦		
Touch Keypad				✦						✦
OLED Display					✦					
QR Code Scanner						✦				
Palm Vein Sensor							✦			
Facial Recognition Sensor								✦		
Ethernet Communication										✦
RS-485 Communication	✦	✦	✦	✦	✦	✦	✦	✦		✦
LCD Display										✦
Tamper Alarm	✦	✦	✦	✦	✦	✦	✦	✦		✦
Buzzer	✦	✦	✦	✦	✦	✦	✦	✦	✦	✦
Anti-Passback / Duress Alarm										✦
Patrol Function	✦	✦	✦	✦	✦	✦	✦	✦		✦

Ordering Information

Standalone Access Control Device



	Style	Ordering Model
DA1521 Embedded Access Controller / Reader	Black	DA1521-A-B
	White	DA1521-A-W



	Style	Ordering Model
DA1531 Wall-mounted Access Controller / Reader	Black	DA1531-A-B
	White	DA1531-A-W



	Style	Ordering Model
DA1532 Mullion Access Controller / Reader	Black	DA1532-A-B



	Style	Ordering Model
DA1533 Keypad Access Controller / Reader	Black	DA1533-A-B



	Style	Ordering Model
DA1535 OLED Access Controller / Reader	Black	DA1535-A-B



	Style	Ordering Model
DA1536 QR code Access Controller / Reader	Black	DA1536-A-B



	Style	Ordering Model
DA1537 Palm Vein Access Controller / Reader	Black	DA1537-A-B



	Style	Ordering Model
DA1538 Facial Recognition Access Controller / Reader	Black	DA1538-A-B

Networked Access Control Device



	Style	Ordering Model
HA6635 Networked BLE mobile Access Controller / Reader	Black	HA6635-A-B
	White	HA6635-A-W

Reader



	Style	Ordering Model
DR1356 Mifare Reader	Black	DR1356-A-B
	White	DR1356-A-W



	Style	Ordering Model
HLR6202 超高頻UHF RFID工業級讀寫器	-	HLR6202



	Specifications	Ordering Model
UHF長距離讀卡機	3~5 m	HLR6235
	6~8 m	HLR6268
	15 m	HLR6215

I/O controller



	Style	Ordering Model
HP1506N25 I/O Controller	-	HP1506N25

Cabinet Lock



	Style	Ordering Model
DL1300A Cabinet Electronic Lock Controller	-	DL1300A

Exit Button



	Style	Ordering Model
DEX110 Door Release Button (American Standard)	Black	DEX110-A-B
	White	DEX110-A-W



EQUIPMENT CONTROL

Elevator
Mailbox / locker

DEC1516/DEC1532/DEC1548/DEC1564

Elevator Floor Control kit

Supports control of 16 / 32 / 48 / 64 floors.

Works with external auxiliary card readers and supports visitor, patrol, and personal password functions.

Industrial control box design for easy installation and convenient wiring.





Basic Specifications

Color: Silver White
Indicator: Dual-Color LED (Red / Green)
Communication Interface: Ethernet, RS485, or RS232 (select one)
Card Capacity: 9,200 Cards
Event Log Capacity: 6,200 Records

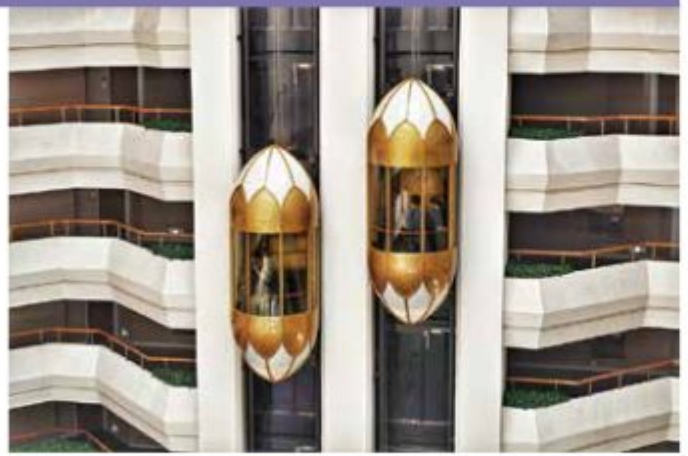


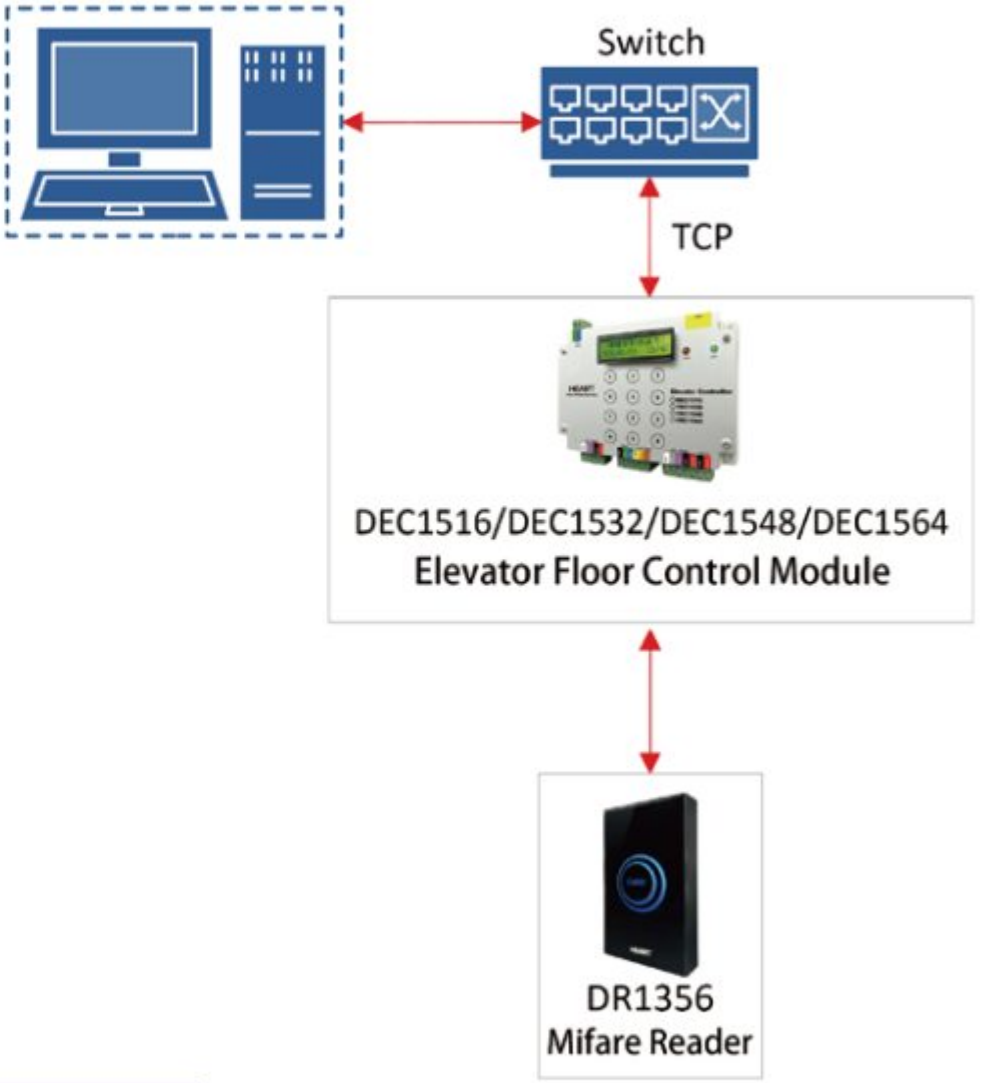
Applicable Areas:

Commonly used in commercial office buildings, residential communities, medical institutions, and restricted-floor environments

This system can restrict accessible elevator floors based on user permissions and integrate with access control devices.

Users must swipe a card or complete identity verification before the corresponding floors can be activated, effectively preventing unauthorized personnel from entering specific areas.





Elevator Floor Access Control System

DMC15128 / DMB016

Mailbox locker Controller / Mailbox locker I/O Board (16 port)

Can control up to 128 mailboxes and supports 26 group settings.

Works with external auxiliary card readers and supports patrol function.

Industrial control box design for easy installation and convenient wiring.



Basic Specifications

Color: Silver White
Indicator: Dual-Color LED (Red / Green)
Communication Interface: Ethernet or RS485
Card Capacity: 16 Cards per Mailbox
(Valid cards include: Setup Cards, User Cards, and Patrol Cards)

Applicable Areas:

Suitable for residential communities, office buildings, campuses, and shared spaces, improving item management security and usage order.

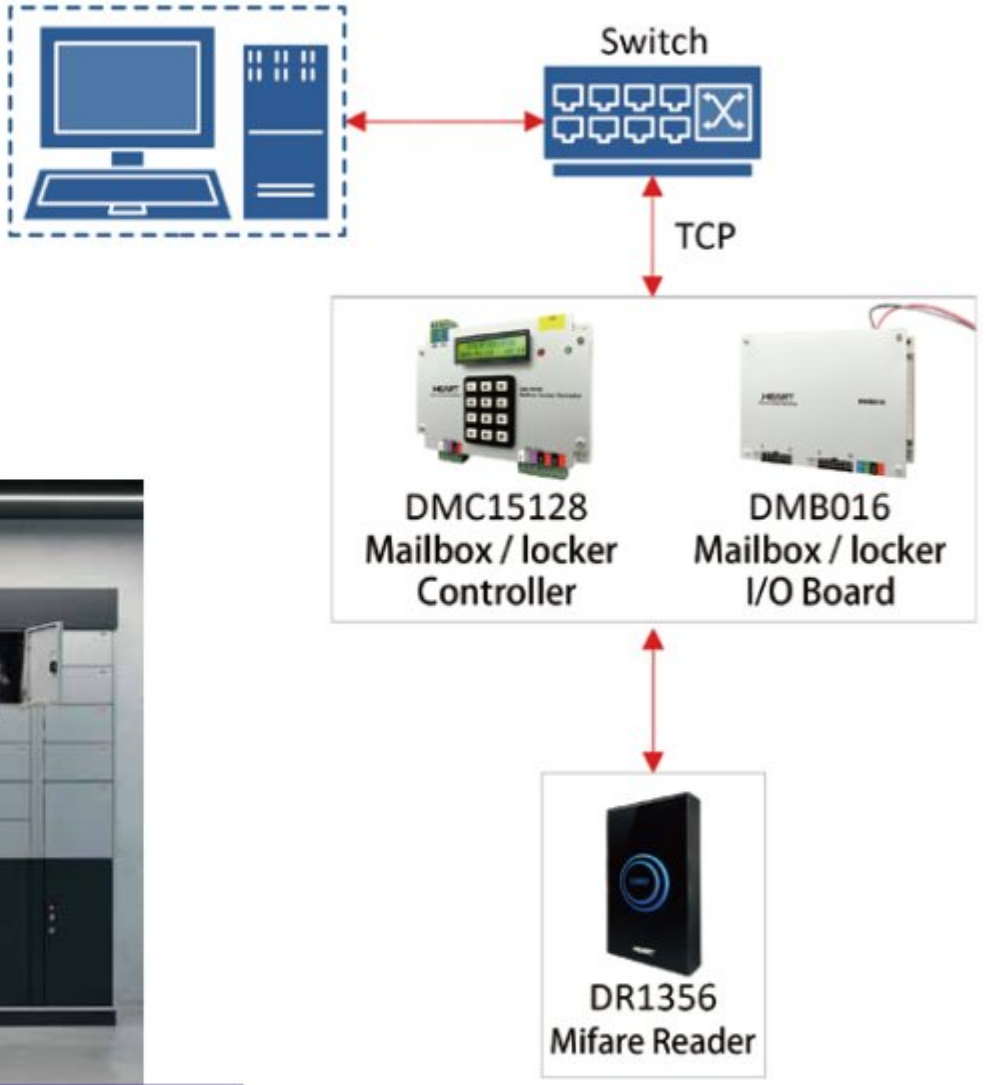
For public facilities such as mailboxes and lockers, the system can assign dedicated access permissions based on user identity and record each opening event.

It can also be integrated with access control or card reader devices.





Mailbox and Locker Access Management



Ordering Information

Elevator Control Device



	Specifications	Ordering Model
Elevator Floor Control kit	16 floor	DEC1516
	32 floor	DEC1532
	48 floor	DEC1548
	64 floor	DEC1564

Mailbox Control Device



	Ordering Model
Mailbox / locker controller	DMC15128



	Ordering Model
Mailbox / locker I/O Board (16 port)	DMB016


BARRIER GATE CONTROL

DG240

Painted Stainless Steel Speed Gate Turnstile

Uses a brushless motor with encoder positioning, providing smooth operation and a service life of up to 5 million cycles.

Equipped with anti-pinch, anti-collision, over-voltage and over-current protection, and multiple sensor detection mechanisms.

Supports multiple access modes and system integration, and can be used with access control, QR Code, facial recognition, and other applications.



Basic Specifications

Material : Body- 304 stainless steel / Gate Wing-10 mm acrylic
Dimensions : 240 x 180 x 1020 mm
Indicator Light : Dual-color LED (Blue/Green)
Access Mode : One-way / Two-way
Passage Width : 600 mm / 1100 mm

DG330

Tripod Turnstile

Integrated structure design with stable operation and low noise.

Supports flexible settings for single-person or multi-person passage.

Supports multiple access mode combinations, allowing control methods to be flexibly configured according to on-site requirements.

Can be integrated with ticketing systems, QR Code access, facial recognition, zone-based billing, and attendance photo capture.



Basic Specifications

Material: 304 stainless steel
Dimensions: 330 x 420 x 980 mm
Indicator Light: Dual-color LED (Red/Green)
Access Mode: One-way / Two-way
Passage Width: 500 mm

DG1400

High-End Smart Speed Gate Turnstile

Adopts mechatronic control technology with 0.1° digital angle control accuracy, ensuring smooth and low-noise operation.

Supports reverse passage detection, anti-pinch protection, tailgating detection, and illegal entry alerts, effectively improving access management efficiency.

The device features fault self-diagnosis and alarm notification functions, and supports automatic gate opening during power failure to meet fire safety requirements.
It also provides multiple access mode settings, allowing flexible integration with access control systems, as well as remote monitoring and management.

Supports multiple applications such as online ticketing, QR Code access, facial recognition, attendance photo capture, and mobile phone sensing access.



Basic Specifications

Material: 304 stainless steel
Dimensions: 1400 x 140 x 980 mm
Indicator Light: Single-color LED (Blue)
Access Mode: One-way / Two-way
Passage Width: 550-900 mm

Ordering Information

Speed Gate



	Ordering Model
DG240 Painted Stainless Steel Speed Gate Turnstile	DG240



	Ordering Model
DG1400 High-End Smart Speed Gate Turnstile	DG1400

Tripod Turnstile



	Ordering Model
DG330 Tripod Turnstile	DG330


GPS&IoT

HMT001

Mobile Temperature Data Logger

Connects to the cloud platform to obtain the logger status, values, and location in real time.

Allows users to view continuous temperature change records and the continuous location tracking map of the device.

Web-based interface, with no app installation required on the client side.

Data transmission interval: 3 minutes. When the network is disconnected, data is automatically saved as backup and uploaded after the connection is restored. Supports storage of up to 200 records.



Basic Specifications

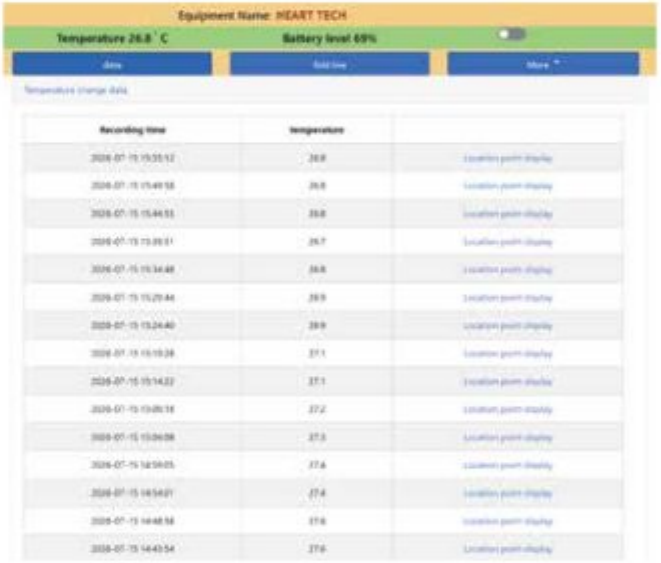
Storage Capacity : 200 records
Cellular Network : LTE-M
Dimensions : 62 x 62 x 20mm
Weight : 55g
Material : ABS
Operating Temperature: -10°C to 60°C
Operating Humidity: 0% to 95%

User Interface



Mobile Device Movement History

Web View Temperature Record



Temperature History



Location Point Display



Optional SMS Alerts for Temperature Abnormalities

HMT002

Compact Asset Tracker

Supports A-GNSS fast positioning and SBAS (Satellite-Based Augmentation System) to improve positioning accuracy.

Built-in advanced anti-interference function enhances positioning reliability and security.

Supports high-speed mobility scenarios, ensuring stable positioning during high-speed movement.

Supports LTE Cat.M full mobility, suitable for low-latency real-time positioning applications.



Basic Specifications

Dimensions : 68 x 50 x 14mm
Weight : 30g
Material : ABS
Operating Temperature: -20°C to 70°C
Operating Humidity: 10% to 95%

Ordering Information

Temperature Data Logger



		Ordering Model
HMT001	Mobile Temperature Data Logger	HMT001

Location Tracker



		Ordering Model
HMT002	Compact Asset Tracker	HMT002

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