DAC1516

Multi door controller

Smart Access Control Solutions

Heart Tech has over 30 years of experience developing smart access control hardware for system integrators and platform-based security solutions. Our RFID readers and controllers are designed for seamless integration with building management and security platforms, supporting partners across the USA, Europe, and global markets

Readers

DA1521

DA1531

DA1532

DA1533

DR1356

DL1300A

DA1536

DA1537

DA1538

Elevator

DEC1564

Mailbox

DMC15128

Standalone

HA6635

DA1521 – Flush-Mounted Access Reader

Product Overview

DA1521 is a flush-mounted access reader with integrated single-door control logic, designed for secure and reliable indoor access control.
It supports standalone operation with local card verification and can be seamlessly expanded into multi-door systems when integrated with the DAC1516 controller, ensuring continuous operation even during network interruptions.

Key Features

1. Embedded RFID reader with integrated single-door control logic
2. Standalone operation with local credential verification during network interruptions
3. Online and offline operation for uninterrupted access control
4. Patrol card function records events without unlocking the door
5. Group-based access management with independent holiday and time-zone tables
6. Host-command emergency door unlock function
7. Weekly time-based access control with up to 8 access periods per day
8. Event record auto-overwrite; card enrollment stops when capacity is full
9. Automatic time synchronization with host system
10. Dual Ethernet ports supporting redundancy or automatic device detection
11. Compatible with DAC1516 multi-door access controller

Applications

1. Office buildings and corporate entrances
2. Commercial buildings and retail back-office areas
3. Factories and industrial facilities
4. Warehouses and logistics centers
5. Schools, colleges, and universities
6. Hospitals, clinics, and medical facilities
7. Data rooms, server rooms, and IT closets
8. Utility rooms and restricted internal doors
9. Small to medium-sized access control systems
10. Multi-door access control projects using DAC1516

Technical Specifications

- **Communication Interfaces**
  - RS-485
  - Ethernet (TCP/IP, dual ports)
- **Valid Card Capacity**
  - Up to 1,000 cards
- **Patrol Card Capacity**
  - Up to 10 cards
- **Event Record Storage**
  - Up to 1,500 records
- **Card Format**
  - ISO/IEC 14443A (13.56 MHz)
  - Reading distance up to 5 cm
- **Digital Inputs (DI)**
  - 3 sets: exit button, door contact, emergency switch
  - NO / NC selectable
- **Digital Outputs (DO)**
  - 2 sets: door lock control, alarm output
  - NO / NC selectable
- **Indicator LEDs**
  - Blue / Green / Red / White
- **Alarm Functions**
  - Tamper detection
  - Forced entry detection
  - Door-open timeout
  - Linkable to K2 alarm relay
- **Built-in Battery**
  - Rechargeable lithium battery
  - Maintains RTC up to 60 days during power outage
- **Housing Material**
  - ABS, UL94 V-0 flame-retardant
- **Dimensions (L × W × H)**
  - 120 × 72 × 24.5 mm
  - Flush-mounted exposed size: 120 × 72 × 9.6 mm

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DA1531 – Wall-Mounted Access Reader

Product Overview

DA1531 is a Wall-mounted access reader with integrated single-door control logic, designed for secure and reliable indoor access control. It supports standalone operation with local card verification and can be seamlessly expanded into multi-door systems when integrated with the DAC1516 controller, ensuring continuous operation even during network interruptions

Key Features

1. Embedded RFID reader with integrated single-door control logic
2. Standalone operation with local credential verification during network interruptions
3. Online and offline operation for uninterrupted access control
4. Patrol card function records events without unlocking the door
5. Group-based access management with independent holiday and time-zone tables
6. Host-command emergency door unlock function
7. Weekly time-based access control with up to 8 access periods per day
8. Event record auto-overwrite; card enrollment stops when capacity is full
9. Automatic time synchronization with host system
10. Dual Ethernet ports supporting redundancy or automatic device detection
11. Compatible with DAC1516 multi-door access controller

Applications

1. Office buildings and corporate entrances
2. Commercial buildings and retail back-office areas
3. Factories and industrial facilities
4. Warehouses and logistics centers
5. Schools, colleges, and universities
6. Hospitals, clinics, and medical facilities
7. Data rooms, server rooms, and IT closets
8. Utility rooms and restricted internal doors
9. Small to medium-sized access control systems
10. Multi-door access control projects using DAC1516

Technical Specifications

- **Communication Interfaces**
  - RS-485
  - Ethernet (TCP/IP, dual ports)
- **Valid Card Capacity**
  - Up to 1,000 cards
- **Patrol Card Capacity**
  - Up to 10 cards
- **Event Record Storage**
  - Up to 1,500 records
- **Card Format**
  - ISO/IEC 14443A (13.56 MHz)
  - Reading distance up to 5 cm
- **Digital Inputs (DI)**
  - 3 sets: exit button, door contact, emergency switch
  - NO / NC selectable
- **Digital Outputs (DO)**
  - 2 sets: door lock control, alarm output
  - NO / NC selectable
- **Indicator LEDs**
  - Blue / Green / Red / White
- **Alarm Functions**
  - Tamper detection
  - Forced entry detection
  - Door-open timeout
  - Linkable to K2 alarm relay
- **Built-in Battery**
  - Rechargeable lithium battery
  - Maintains RTC up to 60 days during power outage
- **Housing Material**
  - ABS, UL94 V-0 flame-retardant
- **Dimensions (L × W × H)**
  - 120 × 72 × 24 mm

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DA1532 – Compact Access Reader

Product Overview

DA1532 is a compact access reader with integrated single-door control logic, designed for secure and reliable indoor access control. It supports standalone operation with local card verification and can be seamlessly expanded into multi-door systems when integrated with the DAC1516 controller, ensuring continuous operation even during network interruptions.

Key Features

1. Compact access reader with integrated single-door control logic
2. Standalone operation with local credential verification during network interruptions
3. Online and offline access control for uninterrupted operation
4. Patrol card function records events without unlocking the door
5. Group-based access management with independent holiday and time-zone tables
6. Weekly time-zone control with up to 8 access periods per day
7. Host-command emergency door unlock for real-time response
8. Automatic time synchronization with host system
9. Event record auto-overwrite; card enrollment stops when capacity is full
10. Dual Ethernet ports supporting automatic device detection or redundancy
11. Compatible with DAC1516 multi-door access controller

Applications

1. Office buildings and corporate entrances
2. Commercial buildings and retail back-office areas
3. Factories and industrial facilities
4. Warehouses and logistics centers
5. Schools, colleges, and universities
6. Hospitals, clinics, and medical facilities
7. Data rooms, server rooms, and IT closets
8. Utility rooms and restricted internal doors
9. Small to medium-sized access control systems
10. Multi-door access control projects using DAC1516

Technical Specifications

- **Communication Interfaces**
  - RS-485
  - Ethernet (TCP/IP, dual ports)
- **Valid Card Capacity**
  - Up to 1,000 cards
- **Patrol Card Capacity**
  - Up to 10 cards
- **Event Record Storage**
  - Up to 1,500 records
- **Card Format**
  - ISO/IEC 14443A (13.56 MHz)
  - Reading distance up to 5 cm
- **Digital Inputs (DI)**
  - 3 sets: exit button, door contact, emergency switch
  - NO / NC selectable
- **Digital Outputs (DO)**
  - 2 sets: door lock control, alarm output
  - NO / NC selectable
- **Indicator LEDs**
  - Blue / Green / Red / White
- **Alarm Functions**
  - Tamper detection
  - Forced entry detection
  - Door-open timeout
  - Linkable to K2 alarm relay
- **Built-in Battery**
  - Rechargeable lithium battery
  - Maintains RTC up to 60 days during power outage
- **Housing Material**
  - ABS, UL94 V-0 flame-retardant
- **Dimensions (L × W × H)**
  - 99.5 × 45.5 × 22.5 mm

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DA1533 – Keypad Access Reader

Product Overview

DA1533 is a keypad access reader with built-in single-door control, supporting Card, PIN, and Card + PIN authentication.
It operates in standalone mode with local verification and ensures continuous operation during network interruptions.
The device supports RS-485 and dual-port Ethernet communication and can be expanded to multi-door systems via the DAC1516 controller.

Key Features

1. Integrated RFID reader with capacitive keypad (12 touch keys)
2. Supports Card Only, PIN Only, and Card + PIN (4-digit) authentication
3. Standalone operation with local credential verification during network interruptions
4. Online and offline access control for uninterrupted operation
5. Patrol card function records events without unlocking the door
6. Group-based access management with independent holiday and time-zone tables
7. Weekly time-zone control with up to 8 access periods per day
8. Host-command emergency door unlock for real-time response
9. Automatic time synchronization with host system
10. Event record auto-overwrite; card enrollment stops when capacity is full
11. Dual Ethernet ports supporting automatic device detection or redundancy
12. Compatible with DAC1516 multi-door access controller

Applications

1. Office buildings and corporate entrances
2. Commercial buildings and retail back-office areas
3. Factories and industrial facilities
4. Warehouses and logistics centers
5. Schools, colleges, and universities
6. Hospitals, clinics, and medical facilities
7. Data rooms, server rooms, and IT closets
8. Utility rooms and restricted internal doors
9. Small to medium-sized access control systems
10. Multi-door access control projects using DAC1516

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Technical Specifications

- **Communication Interfaces**
  - RS-485
  - Ethernet (TCP/IP, dual ports)
- **Valid Card Capacity**
  - Up to 1,000 cards
- **Patrol Card Capacity**
  - Up to 10 cards
- **Event Record Storage**
  - Up to 1,500 records
- **Card Format**
  - ISO/IEC 14443A (13.56 MHz)
  - Reading distance up to 5 cm
- **Digital Inputs (DI)**
  - 3 sets: exit button, door contact, emergency switch
  - NO / NC selectable
- **Digital Outputs (DO)**
  - 2 sets: door lock control, alarm output
  - NO / NC selectable
- **Indicator LEDs**
  - Blue / Green / Red / White
- **Alarm Functions**
  - Tamper detection
  - Forced entry detection
  - Door-open timeout
  - Linkable to K2 alarm relay
- **Built-in Battery**
  - Rechargeable lithium battery
  - Maintains RTC up to 60 days during power outage
- **Housing Material**
  - ABS, UL94 V-0 flame-retardant
- **Dimensions (L × W × H)**
  - 120 × 72 × 24 mm

DA1536 – QR Code Access Reader

Product Overview

DA1536 is a QR code and card-based access reader with built-in single-door control.
It supports standalone operation with local verification, RS-485 and dual-port Ethernet communication, and can be expanded to multi-door systems via the DAC1516 controller.

Key Features

1. QR code and RFID card access with integrated single-door control
2. Standalone operation with local credential verification during network interruptions
3. Online and offline access control for uninterrupted operation
4. Patrol card function records events without unlocking the door
5. Group-based access management with independent holiday and time-zone tables
6. Weekly time-zone control with up to 8 access periods per day
7. Host-command emergency door unlock for real-time response
8. Automatic time synchronization with host system
9. Event record auto-overwrite; card enrollment stops when capacity is full
10. Dual Ethernet ports supporting automatic device detection or redundancy
11. Compatible with DAC1516 multi-door access controller

Applications

1. Office buildings and corporate entrances
2. Commercial buildings and retail back-office areas
3. Factories and industrial facilities
4. Warehouses and logistics centers
5. Schools, colleges, and universities
6. Hospitals, clinics, and medical facilities
7. Data rooms, server rooms, and IT closets
8. Utility rooms and restricted internal doors
9. Small to medium-sized access control systems
10. Multi-door access control projects using DAC1516

Technical Specifications

- **Communication Interfaces**
  - RS-485
  - Ethernet (TCP/IP, dual ports)
- **Valid Card Capacity**
  - Up to 1,000 (combined QR codes and card records)
- **Patrol Card Capacity**
  - Up to 10 cards
- **Event Record Storage**
  - Up to 1,500 records
- **Card Format**
  - ISO/IEC 14443A (13.56 MHz)
  - Reading distance up to 5 cm
- **Digital Inputs (DI)**
  - 3 sets: exit button, door contact, emergency switch
  - NO / NC selectable
- **Digital Outputs (DO)**
  - 2 sets: door lock control, alarm output
  - NO / NC selectable
- **Indicator LEDs**
  - Blue / Green / Red / White
- **Alarm Functions**
  - Tamper detection
  - Forced entry detection
  - Door-open timeout
  - Linkable to K2 alarm relay
- **Built-in Battery**
  - Rechargeable lithium battery
  - Maintains RTC up to 60 days during power outage
- **Housing Material**
  - ABS, UL94 V-0 flame-retardant
- **Dimensions (L × W × H)**
  - 120 × 72 × 24 mm

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DA1537 – Palm Vein Access Reader

Product Overview

DA1537 is a palm vein biometric authentication and card-based access reader with built-in single-door control. It supports standalone operation with local verification, RS-485 and dual-port Ethernet communication, and can be expanded to multi-door systems via the DAC1516 controller.

Key Features

1. Biometric (palm vein) and RFID card access reader with integrated single-door control
2. Standalone operation with local credential verification during network interruptions
3. Online and offline access control for uninterrupted operation
4. Patrol card function records events without unlocking the door
5. Group-based access management with independent holiday and time-zone tables
6. Weekly time-zone control with up to 8 access periods per day
7. Host-command emergency door unlock for real-time response
8. Automatic time synchronization with host system
9. Event record auto-overwrite; card enrollment stops when capacity is full
10. Dual Ethernet ports supporting automatic device detection or redundancy
11. Compatible with DAC1516 multi-door access controller

Applications

1. Office buildings and corporate entrances
2. Commercial buildings and retail back-office areas
3. Factories and industrial facilities
4. Warehouses and logistics centers
5. Schools, colleges, and universities
6. Hospitals, clinics, and medical facilities
7. Data rooms, server rooms, and IT closets
8. Utility rooms and restricted internal doors
9. Small to medium-sized access control systems
10. Multi-door access control projects using DAC1516

Technical Specifications

- **Communication Interfaces**
  - RS-485
  - Ethernet (TCP/IP, dual ports)
- **Valid Card Capacity**
  - Up to 1,000 (combined palm vein templates + cards)
- **Patrol Card Capacity**
  - Up to 10 cards
- **Event Record Storage**
  - Up to 1,500 records
- **Card Format**
  - ISO/IEC 14443A (13.56 MHz)
  - Reading distance up to 5 cm
- **Digital Inputs (DI)**
  - 3 sets: exit button, door contact, emergency switch
  - NO / NC selectable
- **Digital Outputs (DO)**
  - 2 sets: door lock control, alarm output
  - NO / NC selectable
- **Indicator LEDs**
  - Blue / Green / Red / White
- **Alarm Functions**
  - Tamper detection
  - Forced entry detection
  - Door-open timeout
  - Linkable to K2 alarm relay
- **Built-in Battery**
  - Rechargeable lithium battery
  - Maintains RTC up to 60 days during power outage
- **Housing Material**
  - ABS, UL94 V-0 flame-retardant
- **Dimensions (L × W × H)**
  - 120 × 72 × 24 mm

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DA1538 – Facial Recognition Access Reader

Product Overview

DA1538 is a Facial recognition authentication and card-based access reader with built-in single-door control. It supports standalone operation with local verification, RS-485 and dual-port Ethernet communication, and can be expanded to multi-door systems via the DAC1516 controller

Key Features

1. Facial recognition authentication and RFID card access with integrated single-door control
2. Standalone operation with local credential verification during network interruptions
3. Online and offline access control for uninterrupted operation
4. Patrol card function records events without unlocking the door
5. Group-based access management with independent holiday and time-zone tables
6. Weekly time-zone control with up to 8 access periods per day
7. Host-command emergency door unlock for real-time response
8. Automatic time synchronization with host system
9. Event record auto-overwrite; card enrollment stops when capacity is full
10. Dual Ethernet ports supporting automatic device detection or redundancy
11. Compatible with DAC1516 multi-door access controller

Applications

1. Office buildings and corporate entrances
2. Commercial buildings and retail back-office areas
3. Factories and industrial facilities
4. Warehouses and logistics centers
5. Schools, colleges, and universities
6. Hospitals, clinics, and medical facilities
7. Data rooms, server rooms, and IT closets
8. Utility rooms and restricted internal doors
9. Small to medium-sized access control systems
10. Multi-door access control projects using DAC1516

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Technical Specifications

- **Communication Interfaces**
  - RS-485
  - Ethernet (TCP/IP, dual ports)
- **Valid Card Capacity**
  - Up to 1,000 (combined facial templates + cards)
  - Up to 900 facial templates
- **Patrol Card Capacity**
  - Up to 10 cards
- **Facial Recognition Distance**
  - 40-90 cm (optimal 50 cm)
- **Facial Recognition Height**
  - 1.2-2.1 m
- **Event Record Storage**
  - Up to 1,500 records
- **Card Format**
  - ISO/IEC 14443A (13.56 MHz)
  - Reading distance up to 5 cm
- **Digital Inputs (DI)**
  - 3 sets: exit button, door contact, emergency switch
  - NO / NC selectable
- **Digital Outputs (DO)**
  - 2 sets: door lock control, alarm output
  - NO / NC selectable
- **Indicator LEDs**
  - Blue / Green / Red / White
- **Alarm Functions**
  - Tamper detection
  - Forced entry detection
  - Door-open timeout
  - Linkable to K2 alarm relay
- **Built-in Battery**
  - Rechargeable lithium battery
  - Maintains RTC up to 60 days during power outage
- **Housing Material**
  - ABS, UL94 V-0 flame-retardant
- **Dimensions (L × W × H)**
  - 120 × 72 × 24 mm

DL1300A – Cabinet Electronic Lock Controller

Product Overview

DL1300A is a compact cabinet electronic lock controller designed for secure equipment protection.. It supports standalone operation with local verification, RS-485 and dual-port Ethernet communication, and can be expanded to multi-door systems via the DAC1516 controller

Key Features

1. Cabinet electronic lock controller for critical equipment
2. Standalone operation with local credential verification during network interruptions
3. Online and offline access control for uninterrupted operation
4. Patrol card function records events without unlocking the door
5. Group-based access management with independent holiday and time-zone tables
6. Weekly time-zone control with up to 8 access periods per day
7. Host-command emergency door unlock for real-time response
8. Automatic time synchronization with host system
9. Event record auto-overwrite; card enrollment stops when capacity is full
10. Dual Ethernet ports supporting automatic device detection or redundancy
11. Forced-entry and door-held-open alarm support
12. Compatible with DAC1516 multi-door access controller

Applications

1. Server cabinets and network racks
2. Data center equipment enclosures
3. Electrical control cabinets
4. Industrial automation panels
5. Telecom and communication cabinets
6. Security and surveillance equipment cabinets
7. Laboratory and medical equipment enclosures
8. Utility and infrastructure control cabinets

Technical Specifications

- **Communication Interfaces**
  - RS-485
  - Ethernet (TCP/IP, dual ports)
- **Valid Card Capacity**
  - Up to 1,000 cards
- **Patrol Card Capacity**
  - Up to 10 cards
- **Maximum RS-485 Bus Length**
  - ≤ 1,000 m
- **Event Record Storage**
  - Up to 1,500 records
- **Card Format**
  - MIFARE® ISO/IEC 14443A
- **Digital Inputs (DI)**
  - Supported, NO / NC selectable
- **Solenoid Type**
  - Normally Closed (NC), momentary mode
- **Indicator LEDs**
  - Green / Red
- **Built-in Battery**
  - Rechargeable lithium battery
  - Maintains RTC up to 60 days during power outage
- **Dimensions (L × W × H)**
  - 174 × 22 × 54.5 mm

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DA1536 – MIFARE Access Reader

Product Overview

DR1356 is a MIFARE access reader designed for secure and reliable door access control.
It supports ISO/IEC 14443A contactless cards and integrates with external access controllers for authentication and door management.
With a durable ABS UL94V-0 flame-retardant housing, tamper output protection, and stable communication transmission, the DR1356 reader is suitable for enterprise security systems, mart buildings, and industrial access control applications.

Supported Card Formats

- MIFARE Classic
- MIFARE Ultralight UID
- MIFARE DESFire EV1 UID
- MIFARE Classic Fingerprint Card

Key Features

1. Supports ISO/IEC 14443A contactless RFID cards
2. Compatible with multiple MIFARE card types for flexible deployment
3. Tamper output protection for enhanced security monitoring
4. LED status indicators for clear system operation feedback
5. Supports external control of LED indicators and buzzer
6. Stable communication with transmission distance up to 150 meters
7. Durable UL94V-0 flame-retardant ABS housing
8. Compact design suitable for indoor access control installations

Applications

1. Office buildings and corporate entrances
2. Commercial facilities and retail back-office areas
3. Factories and industrial facilities
4. Warehouses and logistics centers
5. Schools, colleges, and universities
6. Hospitals and medical facilities
7. Data rooms and server rooms
8. Utility rooms and restricted internal doors
9. Enterprise access control systems

Technical Specifications

- **Communication & Power**
  - **Input Voltage**
    DC 10 – 15 V
  - **Power Consumption**
    Max. 100 mA @ DC 12 V
  - **Transmission Distance**
    Up to 150 meters using 18 AWG shielded cable
- **Card Technology**
  - **Card Format**
    ISO / IEC 14443A
  - **Reading Distance**
    Up to 5 cm
- **Security & Control**
  - **UTamper Output**
    Open collector, active low
  - **Maximum Output Current**
    100 mA
  - **External Control**
    Supports external control of LED indicator and buzzer
- **Indicators**
  - **Indicator LEDs**
    Blue / Green / Red
- **Physical Specifications**
  - **Housing Material**
    ABS, UL94 V-0 flame-retardant
  - **Dimensions (L × W × H)**
    120 × 72 × 24 mm
  - **Weight**
    Max. 150 g

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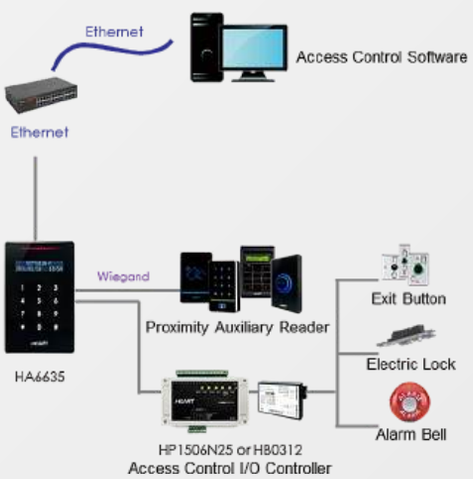
HA6635 – Networked Access Controller / Reader

Product Overview

HA6635 is a networked access controller/reader designed for secure and reliable door access control.
It supports Ethernet or RS-485 communication (selectable) and provides large-capacity credential and event storage for daily operation and audit tracking.
The device supports multiple alarm functions, time-based access control settings, and external device connections (exit button, auxiliary reader, QR code reader), making it suitable or integrated access control systems.

Key Features

1. Networked access controller/reader with Ethernet or RS-485 communication (selectable)
2. Valid card capacity up to 10,000 cards; event log storage up to 7,200 records
3. Supports multiple MIFARE encrypted cards and visitor card functions
4. Built-in alarm functions: tamper alarm, forced-entry alarm, door-open timeout alarm
5. Time-based access control supported: time periods, holiday control, validity date management
6. Supports anti-duress, security patrol, and dual-gate lane control functions
7. Built-in anti-passback with two control modes
8. Emergency door release via local device or PC command
9. Supports direct card number entry with hidden display and error input alert
10. Provides suspension control with up to 3 configurable suspension periods
11. Supports external auxiliary readers; button reader can also serve as auxiliary reader
12. Supports real-time door event printing (printer interface required)



Applications

1. Office buildings and corporate entrances
2. Commercial buildings and retail back-office areas
3. Factories and industrial facilities
4. Warehouses and logistics centers
5. Schools, colleges, and universities
6. Hospitals, clinics, and medical facilities
7. Data rooms, server rooms, and IT closets
8. Utility rooms and restricted internal doors
9. Small to medium-sized access control systems
10. Projects requiring networked access control with event logging and alarms

Technical Specifications

- **Valid Card Capacity**
  - Up to 10,000 cards
- **Event Record Capacity**
  - Up to 7,200 records
- **Indicator Lights**
  - Green / Red LEDs, White Button LED
- **Communication Interface**
  - Ethernet or RS-485 (selectable)
- **Maximum Communication Distance**
  - Ethernet ≤ 100 m
  - RS-485 ≤ 1,000 m
- **Alarm Functions**
  - Supported: tamper alarm, forced-entry alarm, door-open timeout alarm
- **RTC Backup Battery**
  - CR2032 lithium battery
    Maintains RTC for approximately 60 days during power outage
- **Time-Based Access Control**
  - Supported: time periods, holiday control, validity date management
- **Dimensions (L × W × H)**
  - 120 × 72 × 24 mm

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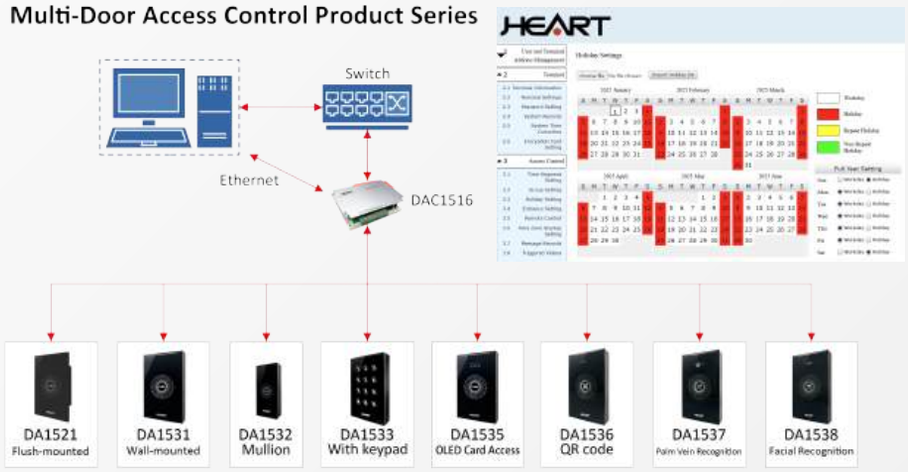
DAC1516 – Multi-door Controller

Multi-Door Access Control Product Series



Key Features

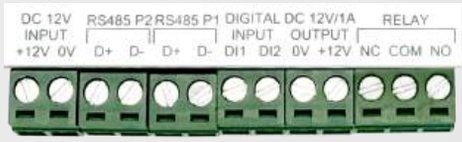
1. Controls up to 16 door readers for centralized multi-door management
2. Large-capacity credential management with support for temporary and visitor cards
3. High-volume event logging for detailed access history and audits
4. Web-based console for configuration, system management, and firmware updates
5. Automatic time synchronization with host system
6. Fire alarm integration for emergency door release
7. RS-485 dual ports (P1/P2) for automatic reader detection or redundant backup
8. Remote emergency unlock via host command for real-time response
9. Time-based access control with weekly schedules and holiday control

Applications

1. Office buildings and corporate campuses
2. Commercial complexes and multi-tenant facilities
3. Industrial plants and factories
4. Warehouses and logistics centers
5. Hospitals and healthcare facilities
6. Educational institutions
7. Data centers and server rooms
8. Large multi-door access control projects

Technical Specifications

- **Input Voltage**
  - DC 10–15 V
- **Power Consumption**
  - 210 mA
- **Doors Controlled**
  - Up to 16
- **Valid Card Capacity**
  - Up to 100,000 cards per door
- **Event Record Capacity**
  - Up to 200,000 records per door
- **Host Interface**
  - Ethernet 10/100Base-T
- **Device Interface**
  - RS-485 ×2 (38,400 bps), up to 16 readers
- **User Interface**
  - Web Console (browser-based)
- **Language Support**
  - Traditional Chinese, Simplified Chinese, English
- **Operating Temperature**
  - 0°C to 50°C
- **Operating Humidity**
  - 5%–95% RH (non-condensing)
- **Dimensions (L×W×H)**
  - 155 × 120 × 42 mm
- **Power Output**
  - DC 12 V / 1 A (external devices)
- **Battery**
  - RTC backup (up to 6 months)
- **Relay Output**
  - 1 set (NO/NC selectable)
- **Digital Inputs**
  - 2 sets (fire alarm + spare)
- **Firmware Update**
  - Via Web Console



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HEART

Precise control for secure management

DEC1564
Elevator Floor Controller

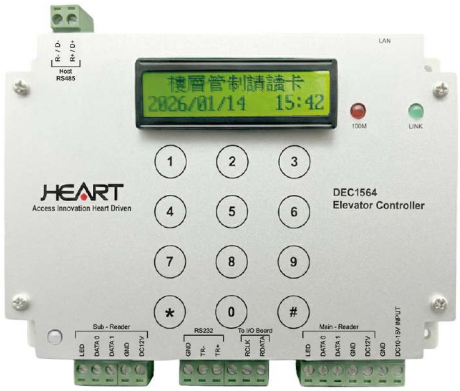
- Card capacity: 9,200 cards; event log storage: 6,200 records
- Supports control of up to 64 floors
- Provides patrol mode and individual PIN code functions
- Supports external card readers (auxiliary reader, keypad reader, and QR code reader)

DEC1564

Elevator Floor Controller

Precise control for secure management

Appearance Details



General specifications

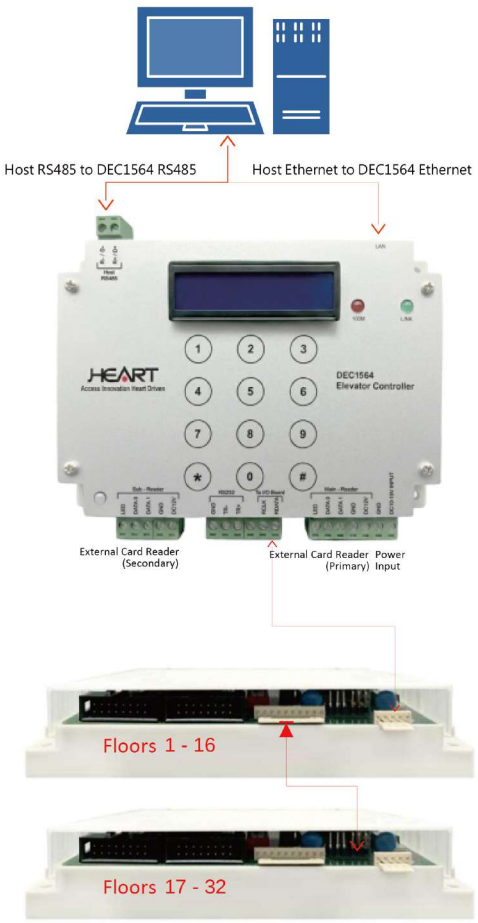
Characteristic	Specification	Description
Input Voltage	DC +10 ~ 15V	Stable low-voltage power input
Power Consumption	Max. 280 mA @ DC 12V	Energy-efficient operation
Valid Card Capacity	Up to 9,200 cards	Requires external auxiliary card reader; supports visitor and patrol card functions
Event Record Capacity	Up to 6,200 records	Event history storage
Controlled Floors	Up to 64 floors	Requires DEB016 Elevator Control I/O Board
Language Support	Traditional Chinese, Simplified Chinese, English	Multi-language system interface
Indicator Lights	Green, Red LEDs	LED color changes according to system status
Communication Interface	Ethernet, RS485, RS232	
Maximum Communication Distance	Ethernet ≦ 100 M RS-485 ≦ 1,000 M(1093.61 yd) RS-232 ≦ 10 M	Long-distance communication support
Personal PIN Function	Supported	Single time-period control; requires card reader with built-in keypad
Group management	Up to 10 groups	Each group supports independent holiday and time-zone schedules
QR Code Support	Supported	Compatible with external HR800 series QR code reader
Operating Temperature	0°C to 50°C	Reliable indoor operation
Operating Humidity	5% to 95% RH	Non-condensing
Dimension(L x W x H)	155 x 131 x 34 mm	
RTC Backup Battery	CR2032 lithium battery	Maintains RTC for approximately 60 days during power outage
Time-Based Access Control	Supported	Weekly time zones, access periods, holiday control, and temporary suspension management; allows specific floors to bypass temporary suspension control

DEC1564

Elevator Floor I/O Controller

Precise control for secure management

System Architecture



Product Features

- Supports networked elevator floor control for up to 64 floors, improving management efficiency
- Supports PIN and direct card-number access for convenient and secure use with a keypad reader
- Powerful card management: controls up to 9,200 cards and stores 6,200 usage records
- Provides patrol and visitor card functions, displaying cardholder names for easy monitoring of access
- Flexible group and time zone control with support for weekly schedules, holidays, and temporary access suspension
- Multiple interfaces (Ethernet, RS485, RS232, QR-Code) support diverse system integration

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Precise control for secure management

DEB016
Elevator Floor I/O Board

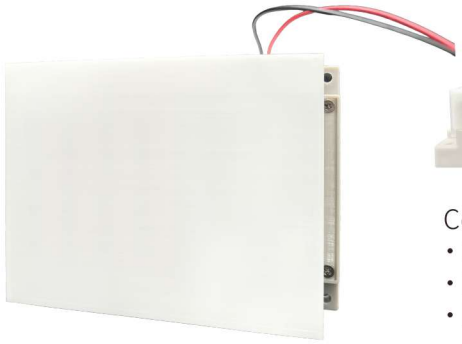
- Can be used with compatible card readers for elevator floor control
- Can be integrated with access control software for floor access management
- Supports SW1 selection for Relay Normal ON/OFF mode and SW2 Bypass function
- Features an industrial control box design for easy installation and convenient setup

DEB016

Elevator Floor I/O Board

Precise control for secure management

Appearance Details



Compatible card readers for elevator floor control:
- HA3035E (up to 32 floors)
- HA5035E (up to 32 floors)
- HA6535E (up to 64 floors)

Compatible controllers for elevator floor control:
- DEC1564

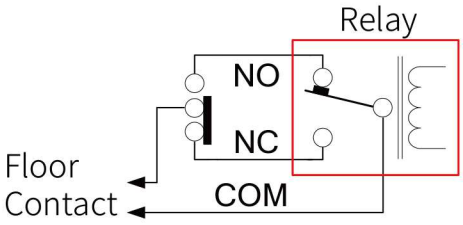
Contact Configuration

Relay Normal ON / Normal OFF selectable via SW1 for Bypass function

Relay Normal ON

Power failure mode switches to standard elevator operation.
Upon power-on, the relay energizes, reversing NO and NC contacts

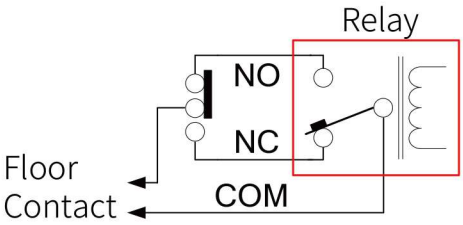
Equipped with Bypass function, allowing the elevator to return to normal operation when the floor controller loses power



Relay Normal OFF

The elevator control mode must be switched via an external Bypass circuit.
When the floor controller is powered on, the relay operates according to normal operation logic

Since the relay is energized only after card reading, it generates less heat and is less prone to damage



General specifications

Characteristic	Specification
Input Voltage	DC +12V
Power Consumption	2A max. @DC 13.8V 16 Sets
Number of Relays	16/32/48/64 sets (Option)
Output Terminal	Relay dry contact, NO/NC configurable via jumper (JP1~JP32)
Operating Temperature	0 ~ 50°C
Operating Humidity	5 ~ 95%
Dimension(L x W)	155 x 111 mm

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HEART

Precise control for secure management

DMC15128
Mailbox locker controller

- Can register up to 16 configuration cards.
- Can control up to 128 mailboxes and store up to 2,048 user cards.
- If the PIN is forgotten, enter the mailbox number and read a configuration card to unlock the mailbox.

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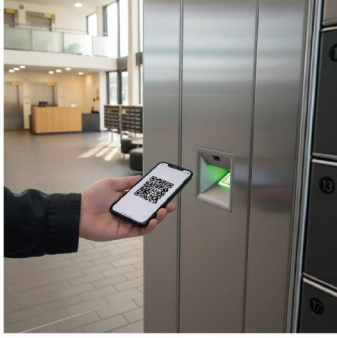
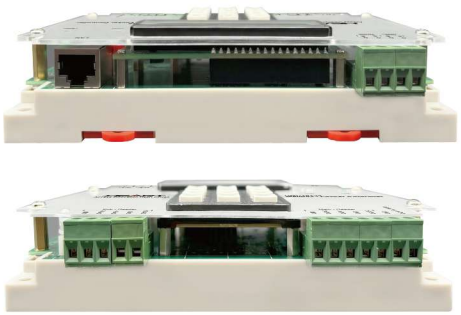
DMC15128

Mailbox / locker controller

Precise control for secure management



Appearance Details



General specifications

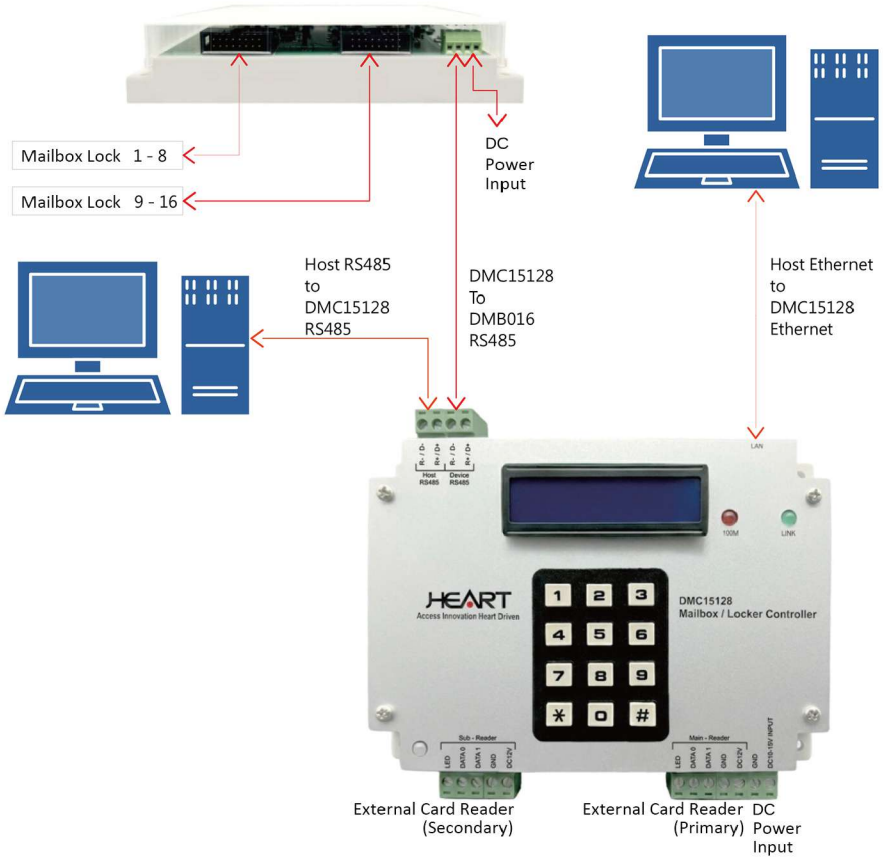
Characteristic	Specification	Description
Input Voltage	DC +10 ~ 15V	Stable low-voltage power input
Power Consumption	Max. 280 mA @ DC 12V	Energy-efficient operation
Configuration Card Capacity	Up to 16 cards	Swipe a configuration card to enter the parameter settings menu
Patrol Card Capacity	Up to 16 cards	Patrol operation support
User Card Capacity	Up to 16 cards per mailbox	Supports up to 128 mailboxes (128 x 16 cards)
Number of Controlled Mailboxes	Up to 128 units	Requires DMB016 Mailbox Control I/O Board
Indicator Lights	Green, Red LEDs	LED color changes according to system status
Communication Interface	Ethernet, RS485(selectable)	Flexible system integration
Maximum Communication Distance	Ethernet ≦ 100 M RS-485 ≦ 1,000 M(1093.61 yd)	Long-distance communication support
Card Parameter Settings	Fully configurable	Cards can be added or deleted directly on the controller, or created via software and downloaded
Group Management	Up to 26 groups (A–Z)	Groups can be assigned to buildings or areas
Operating Temperature	0°C to 50°C	Reliable indoor operation
Operating Humidity	5% to 95% RH	Non-condensing
Dimension(L x W)	155 x 131 mm	Compact controller design
RTC Backup Battery	CR2032 lithium battery	Maintains real-time clock for approximately 60 days during power outage

DMC15128

Mailbox locker controller

Precise control for secure management

System Architecture



Product Features

- Used with the DMB016 Mailbox Control I/O Board to support multi-purpose mailbox management with a single card
- Configurable lock and alarm activation times, with keypad sound feedback and direct card number access
- Supports up to 8 DMB016 I/O Boards and manages up to 128 mailboxes for large residential and commercial sites
- Patrol card logging with 26 group settings (A–Z) for easy management
- Supports user, setting, and patrol cards, with up to 16 user cards per mailbox. Setting cards allow configuration or mailbox access
- Supports Ethernet/RS485/RS232 communication, with local or software configuration and battery-backed clock

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Precise control for secure management

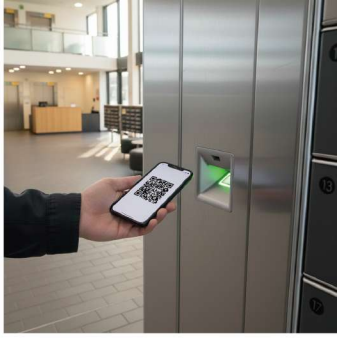
DMB016
Mailbox locker I/O Board

- Can be paired with the corresponding mailbox management controller and mailbox locks to enable multi-purpose card functionality
- Provides 16–128 DO contacts (16 per board)
- Features an industrial control box design for easy installation and convenient setup

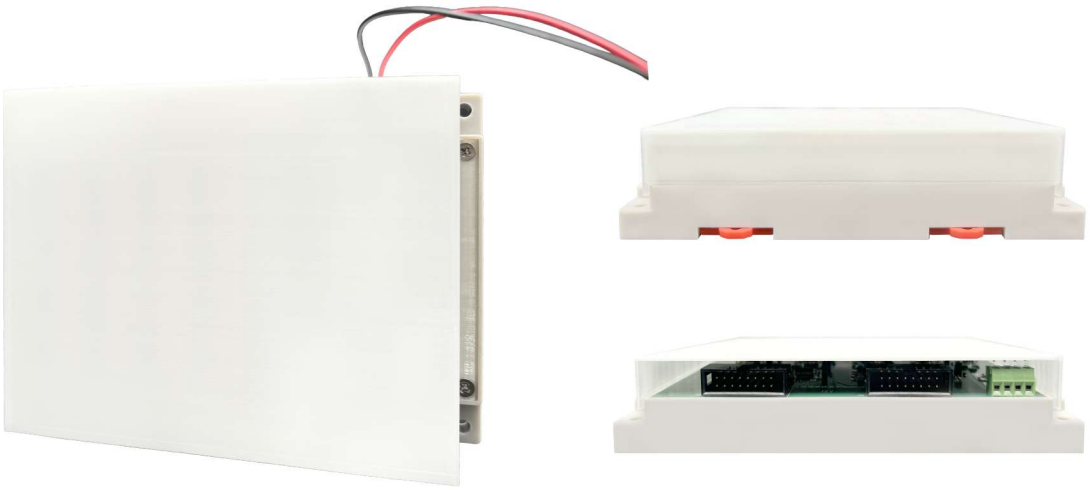
DMB016

Mailbox Locker I/O Board

Precise control for secure management



Appearance Details



Must be used with the following mailbox management controllers and mailbox locks to enable multi-purpose card functionality:

- HA5212
- DMC15128

General specifications

Characteristic	Specification
Input Voltage	DC +10~15V
Power Consumption	2A max. @DC 13.8V 16 Sets
Maximum Output Current of Lock Contacts	1A @DC12V
Output Contact	16–128 DC 12V outputs for mailbox locks (model dependent) Strike: Provides DC 12V power output for driving the lock
Communication Protocol	MODBUS
Communication Interface	RS485
Operating Temperature	0 ~ 70°C
Operating Humidity	5 ~ 95%
Dimension(L x W)	155 x 111 mm

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