

## Features

- Supports card type: Mi fare
- Built-in Voice message function
- Supports Ethernet / RS-485 interface
- Built-in RTC and WDT
- Supports electric door lock control and door position detection
- Provides access records
- Max card capacity : 8192 cards
- Supports elevator floor control (max.16 F)

# ACS-10V-MF/ACS-10V-MF-TC

Access Control Reader with proximity card

## Introduction

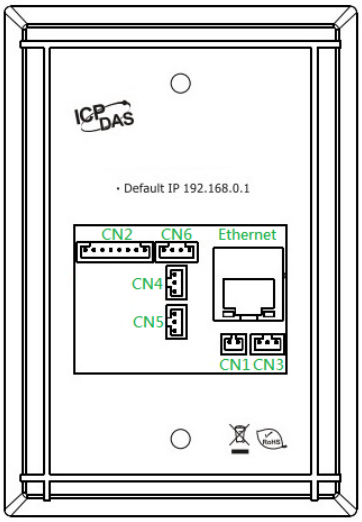
Access Control systems are one of the most important infrastructures for a safe, secure society. ACS-10V-MF is an access control reader that supports RFID induction of access control. It integrates three functions of door access control, voice guidance and floor control all in one, suitable for use in community door access and elevator control. ACS-10V-MF supports Ethernet and RS-485 communication interfaces and provides anti-sabotage sensor and door position detection function which can consolidate the security of access control systems and effectively enhance the service quality of management.

## Software Tool

ACS Data Logger provides quick and convenient communication with the access control reader and SQL database; Customers can easily downloaded access cards list, corresponding rights and read access records from/to the access control reader.

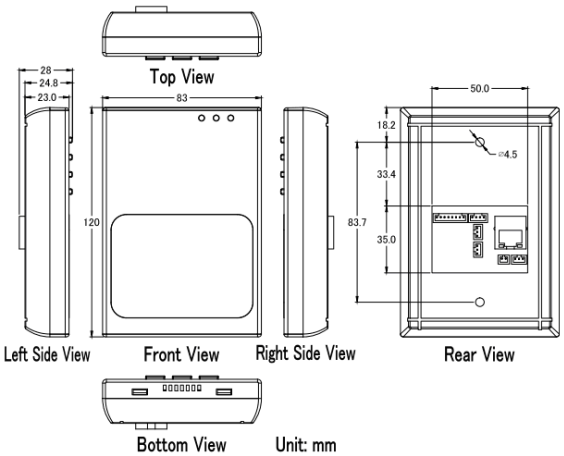
- **Supports MySQL database.**
- **Provides access card number and password add, modify, delete function.**
- **Provides access record inquiry function.**

## Wire Connection




| Connector Type | | Pin Assignment | | | | | | | | Description |
|---|---|---|---|---|---|---|---|---|---|---|
| CN1 | | GND | | | | VDC | | | | Power (+10V~+30 VDC) |
| CN2 | | DI0 | G | DI1 | G | DI2 | G | DI3 | G | DI0(Door position detection)<br>DI1(Electric lock trigger)<br>DI2/3(n/a)<br>(Digital Input, Dry Contact) |
| CN3 | | COM | | NO | | NC | | | | Anti-sabotage detection<br>(Relay Output) |
| CN4 | | NC<br>COM<br>NO | | | | | | | | Electronic lock control<br>(Relay Output) |
| CN5 | | NC<br>COM<br>NO | | | | | | | | Door abnormal alarm output<br>(Relay Output) |
| CN6 | | CAN_L | | CAN_H | | D+ | | D- | | CAN/RS-485<br>(Communication Interface) |

## Dimensions (Units: mm)

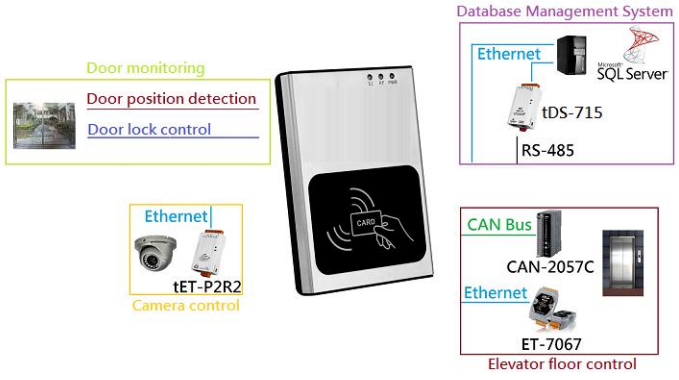



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## Specifications

| | | |
|---|---|---|
| **CAN Bus** | | |
| Baud rate(bps) | 1M | |
| Specification | ISO-11898-2, CAN 2.0A and CAN 2.0B | |
| **UART** | | |
| COM | RS-485(D+, D-) | |
| Baud rate(bps) | 9600 | |
| Format | N, 8, 1 | |
| **Ethernet** | | |
| Controller | 10/100Base-TX Ethernet Controller (Auto-negotiating, Auto MDIX) | |
| Connector | RJ-45 with LED indicator | |
| **Digital Input** | | |
| Channels | 4 | |
| Input type | Dry Contact (Source), Wet Contact (Sink, Source) | |
| **Relay Output** | | |
| Channels | 2 | |
| Output Type | Form C | |
| Contact Rating | 0.5A 120VAC | 2A 30VDC |
| **RFID** | | |
| Supported Card | Mi fare S50 | |
| Standard | ISO 14443 A | |
| **Voice type** | | |
| Voice | English | Chinese |
| **Power** | | |
| Input voltage range | 10V ~ 30V | |
| Power consumption | 2.0W | |
| **Mechanical** | | |
| Installation | Wall Mounting (Suitable for the outlet box in United States) | |
| Dimensions | 83mm x 120mm x 28mm (W x L x H) | |
| **Environment** | | |
| Operating Temperature | -20°C ~ +60°C | |
| Storage Temperature | -30°C ~ +80°C | |
| Humidity | 10% ~ 90%, non-condensing | |

## Application




## Ordering Information

| | |
|---|---|
| **ACS-10V-MF CR** | Access Control Reader with proximity card (RoHS) |

## Accessories

| | |
|---|---|
| **CAN-2057C CR** | CANopen Module of 16 Digital Output; for elevator floor control (RoHS) |
| **ET-7067 CR** | Ethernet I/O Module with 8 Relay; for elevator floor control (RoHS) |
| **tET-P2R2 CR** | Tiny Ethernet module with 2 DI and 2 Form-A relay; for camera control (RoHS) |
| **tDS-715 CR** | Tiny Device Server with PoE and 1 RS-422/485 Port (RoHS) |

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