



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

Access Control Reader with proximity card

### 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)



### Introduction

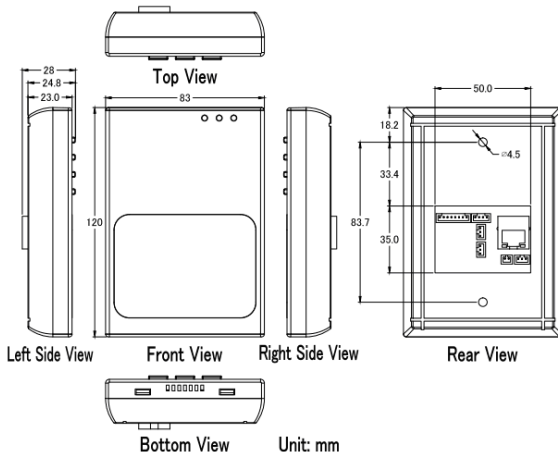
Access Control systems are one of the most important infrastructures for a safe, secure society. ACS-10V-MF is an access control reader that supports RFID induction of access control. It integrates three functions of door access control, voice guidance and floor control all in one, suitable for use in 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

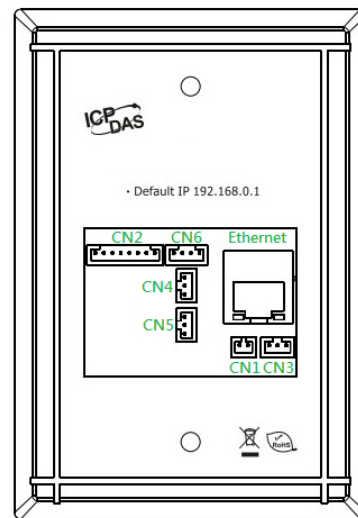
ACS Data Logger provides quick and convenient communication with the access control reader and SQL database; Customers can easily download access cards list, corresponding rights and read access records from/to the access control reader.

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

### Dimensions (Units: mm)



### Wire Connection

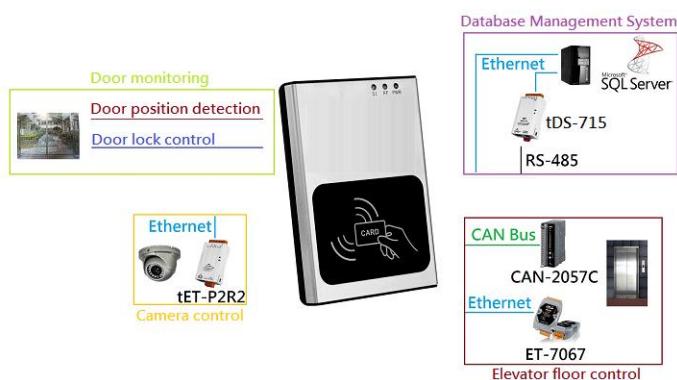


Connector Type	Pin Assignment				Description
CN1	GND		VDC		Power (+10V~+30 VDC)
CN2	D10	G	D11	G	D10(Door position detection)
			D12	G	D11(Electric lock trigger)
					D12/3(n/a) (Digital Input, Dry Contact)
CN3	COM		NO	NC	Anti-sabotage detection (Relay Output)
	NC				Electronic lock control (Relay Output)
CN4	COM				
	NO				
CN5	NC				Door abnormal alarm output (Relay Output)
	COM				
	NO				
CN6	CAN_L	CAN_H	D+	D-	CAN/RS-485 (Communication Interface)

## Specifications

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

## Application



## Ordering Information

<b>ACS-10V-MF CR</b>	Access Control Reader with proximity card (RoHS)
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## Accessories

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