



Contactless Card Reader/Writer ACR1281U-C8

General

ACR1281U-C8 Contactless Smart Card Reader is a compact and cost-effective smart card contactless reader and writer. Developed based on the 13.56 MHz contactless (RFID) technology, it supports Mi fare® and ISO 14443 A and B cards. ACR1281U-C8 has a proximity operating distance of up to 5 cm, depending on the type of contactless tag in use. The versatile reader is also available in module form, as well as in both USB and Serial interfaces, allowing the device to be easily integrated into the PC environment and other systems. The compact design of ACR1281U-C8 makes installation quick and handy in any location, making it an ideal tool for a broad range of applications, including public transport terminal, physical and logical access control, and even vending machines.

Feature

- USB PnP or serial RS232 interface (Also available in RS485 upon request)
- Read and write functionality
- Built-in antenna for contactless tag access, with card reading distance of up to 50 mm
- Supports major contactless smart cards conforming to ISO 14443 Type A and B in the market
- Supports Mi fare cards, including new Mi fare ULTRALIGHT and Mi fare Plus SL1 (4 Byte UID) and SL3
- Built-in anti-collision feature (at least 1 card is detected when multiple cards are presented)
- Selective card polling capability (especially useful when multiple cards are presented)
- Operation LED
- Buzzer
- OEM PCBA module version (Upon request)

Specification

Dimensions	120 mm (L) x 73 mm (W) x 20 mm (H)
Weight	155 g
Interface	USB Full Speed or RS232 (Serial)
Operating Distance	>= 50 mm
Supply Voltage	Regulated 5V DC
Supply Current	200mA
Operating Temperature	0-50°C
Operating	13.56 MHz

Frequency	
CLK Frequency	3.58Hz
Smart Card Interface Support	ISO14443 Type A and B mifare
Compliance/Certifications	CE, FCC, ROHS Compliant, OFTA
Operating System Support	Win 98, Win ME, Win 2000, Win XP, Win Vista, Win 7, Win Server 2003, Win Server 2008 Win XP x64, Win Vista x64, Win 7 x64, Win Server 2003 x64, Win Server 2008 x64, Win Server 2008 R2 x64 Linux

Application

1. Public transportation terminals
2. Automatic fare collection
3. Vending machines
4. Physical access control
5. Logical access control
6. Time and attendance
7. Contactless public phones
8. Metering

Picture

