



ACR120-PC Linked contactless smart card reader



Product Information ❖

The **ACR120** is a compact and cost-effective smart card contactless reader and writer. It is developed on the 13.56MHz contactless smart card (RFID) technology, supporting Mifare® ISO 14443 A and B cards. Its proximity operating distance is up to 5 cm, depending on the type of contactless tag in use. The versatile reader is available in both USB and Serial interface, which can be easily integrated into PC environment as well as other systems in a snap. It is ideal for a broad range of applications, including public transport terminal, physical and logical access control, and even vending machines. The operation of **ACR120** is extremely easy, quick and convenient. All read/write operations can be done via waving the contactless card to the device. Moreover, its compact design enables it to be mounted and located in anywhere with ease. In addition, **ACR120** is also available in module form, which is extremely easy to design, giving you maximum design and development flexibility. Furthermore, in order to offer reliability and credibility, ACR120 is equipped of CE, FCC, OFTA and RoHS standards

Technical Specification ❖

- . USB PnP or serial interface (RS232)
- . Read and write functionality
- . Built-in Antenna
- . Fully tested and compliant with major contactless smart cards that conform to ISO14443 A/B in the market.
- . RoHS ,CE and FCC Compliant
- . Operation LED ,Buzzer ,High-speed transactions
- . Compact size: 120 X 73 X 20mm
- . Wall mountable

The ACR120 works with a variety of 13.56MHz contactless smart cards including, but not limited to:

- . MIFARE® cards (Classics, DESFire)
- . All ISO 14443 A cards, like JCOP30, MPCOS COMBI cards (need to accompany with the ACS ACR38DT Dual Key) . . ISO 14443 Type B cards, like Calypso cards ,ST cards: ST19XRF58 , ATMEL cards: AT88RF020

Typical Applications❖

- . Home Banking and Home Shopping
- . E-commerce
- . Checking the balance of electronic purses
- . Network access control
- . Software Licensing
- . Digital signature
- . Loyalty Program
- . Stored value
- . Identification
- . Ticketing
- . Parking and toll collection
- . Online gaming
- . Automatic Fare Collection
- . Physical Access Control