



## Product Information ❖

The **ACR122** is a PC-linked contactless smart card reader/writer developed on the 13.56MHz Contactless (RFID) Technology and followed the ISO/IEC18092 Standard for Near Field Communication (NFC), supporting not only Mifare® ISO 14443 A and B cards but also NFC and FeliCa contactless technologies.

The **ACR122** is a USB Plug and Play device with CCID compliance. It is also PC/SC compliant which allows interoperability for different applications development. It is ideal for both secure personal identity verification and online micro-payment transactions. Typical applications of the **ACR122** reader include access control, e-payment, e-ticketing for events and mass transit, toll road fare collection and network authentication.

By making use of up to 212 Kbps for NFC Tag access and full USB speed of up to 12 Mbps, the **ACR122** can read and write faster and more efficiently. The proximity operating distance of **ACR122** is up to 5 cm, depending on the type of contactless tag in use. In order to increase the security level, the **ACR122** can be optionally integrated with an ISO7816-3 SAM slot. In addition, the **ACR122** is available in module form for easy integration into bigger machines, like POS terminals, physical access devices and vending machines.

## Technical Specification ❖

- . USB Full Speed (12 Mbps)
- . USB PnP
- . Bi-Color LED
- . Built-in Antenna
- . NFC Reader
  - . ISO/IEC18092 (NFC) compliant
  - . NFC Tags Access Speed = 424 kbps
- . Contactless Smart Card Reader
  - . Support FeliCa card
  - . Support ISO 14443 Type A & B cards MIFARE® cards (Classics, DESFire)
- . PC/SC and CCID Compliant
- . CE and FCC Certificated
- . RoHS Compliant
- . User Controllable Buzzer (optional)
- . SAM Socket (optional)