

Product Information

By making use of up to 424 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. Operating distance can be extended on request by adding an RF booster, so the ACR122 is suitable for logistics and supply chain management.

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.

With excellent performance and flexibility, you can experience the convenience and benefits offered by the ACR122

Standard Features

- 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)
- CCID Standard
- CE and FCC Certificated
- RoHS Compliant
- User Controllable Buzzer (optional)
- SAM Socket (optional)

Technical Specifications:

- Dimensions 98 mm (L) x 65 mm (W) x 12.8 mm (H)
- Weight 70 g
- Interface USB Full Speed
- Operating Distance Up to 50 mm (depends on the tag type)
- Supply Voltage Regulated 5V DC
- Supply Current 200mA (operating); 50mA (standby); 100mA (normal)
- Operating Temperature 0-50 °C
- Operating Frequency 13.56 MHz

Smart Card Interface Support

ISO14443 Type A & B

Mifare

FeliCa

4 types of NFC (ISO/IEC18092) tags

Compliance/Certifications

ISO 14443, CE, FCC, KC, VCCI, PC/SC, CCID, RoHS, USB Full Speed

Microsoft WHQL: 2000, XP, Vista, 7, 8, Server 2003, Server 2008, Server 2008 R2, Server 2012

Operating System Support

Win98, Win ME, Win NT 4.0, Win 2000, Win 2003, Win 2003 R2, Win XP, Win Vista, Win 2008, Win 7, Win 8

Win 2003 x64, Win 2003 R2 x64, Win XP x64, Win Vista x64, Win 2008 x64, Win 2008 R2 x64, Win 7 x64, Win 8 x 64, Win 2012 x64

Windows CE 5.0 and 6.0

Mac

Linux

Android 3.1 and above