

# ACR122U

## USB NFC Reader



### Technical Specifications V3.02

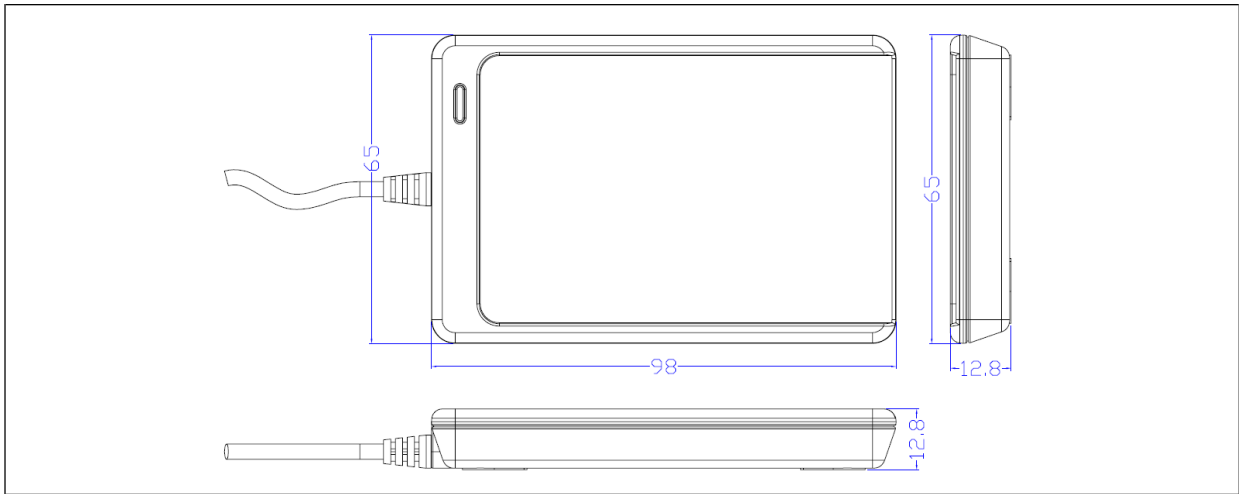


The Acr122u Is A Pc-linked Contactless Smart Card Reader/Writer Developed On The 13.56 Mhz Contactless Technology. It Is The World's First Ccid- Compliant Contactless Card Reader/Writer That Follows Both Iso 14443 And Iso 18092. This Device Is Designed To Support Not Only Mifare And Iso 14443 Type A And B Cards, But Also Felica And Nfc Tags.

By Making Use Of Up To 424 Kbps For Nfc Tag Access And Full Usb Speed Of Up To 12 Mbps, Acr122u Can Read And Write Faster, And More Efficiently. Furthermore, Acr122u Is Also Pc/Sc-compliant Which Allows Inter- Operability Across Different Applications And Platforms. You Can Experience

The Convenience In Using Acr122u, With Its Compact Size And The Various Features It Offers, For Applications Such As Payment, Access Control, Time And Attendance, And Mass Transit.

# Technical Specifications



## Universal Serial Bus Interface

Power Source..... From USB  
 Speed..... 12 Mbps (Full Speed)  
 Supply Voltage..... Regulated 5 V DC  
 Supply Current ..... 200 mA (maximum); 50 mA (standby); 100 mA (normal)

## Contactless Smart Card Interface

Standard ..... ISO/IEC 18092 NFC, ISO 14443 Type A & B, Mifare, FeliCa  
 Protocol..... FeliCa protocol, T=CL protocol  
 Operating Frequency ..... 13.56 MHz  
 Operating Distance ..... Up to 50 mm (depending on tag type)  
 Smart Card Read/Write Speed..... 106 kbps, 212 kbps, 424 kbps

## Physical Specifications

Dimensions..... 98.0 mm (L) x 65.0 mm (W) x 12.8 mm (H)  
 Weight..... 70 g  
 Material ..... Polycarbonate(PC)  
 Color ..... PearlWhite  
 Antenna Size..... 50 mm x 40 mm  
 Cable Length..... 1.0 m (USB)

## Built-In Peripherals

Bi-Color LED ..... Bi-color LED, red and green  
 Buzzer..... Monotone

## Operating Conditions

Temperature..... 0 – 50 °C  
 Humidity..... 10% - 90%

## Application Programming Interface

PC/SC  
 CT-API (through wrapper on top of PC/SC)

## Certifications/Compliance

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

## Device Driver Operating System Support

Windows® 98, ME, 2000, XP, Vista, 7, 8, Server 2003, Server 2008, Server 2008 R2, Server 2012, Windows® CE 5.0 and 6.0, Linux, Mac, Android™ 3.1 and above

