

## Bluetooth NFC Reader ACR1311U-N2

### General

ACR1311U-N2 Bluetooth® NFC Reader combines the latest 13.56 MHz contactless technology with Bluetooth® Smart connectivity for on-the-go smart card and NFC applications.

### Feature

- USB 2.0 full speed interface
- Bluetooth 4.0 smart interface
- Plug and Play – CCID support brings utmost mobility
- USB Firmware Upgradeability
- Smart Card Reader
- Application Programming Interface
- Supports Android™ 4.3 and above
- Supports iOS 5.0 and later
- Built-in Peripherals

### Technical Specification

|                                  |                                                                                                         |
|----------------------------------|---------------------------------------------------------------------------------------------------------|
| Physical characteristics         |                                                                                                         |
| Dimensions                       | 60mm(L)×47.98mm(W)×12mm(H)                                                                              |
| Weight                           | 20g                                                                                                     |
| Color                            | White                                                                                                   |
| Bluetooth Interface              |                                                                                                         |
| Protocol                         | Bluetooth Smart (Bluetooth Low Energy /Bluetooth 4.0)                                                   |
| Power Source                     | Rechargeable Lithium-ion Battery (Charging through USB)                                                 |
| Speed                            | 1Mbps                                                                                                   |
| USB Host Interface               |                                                                                                         |
| Protocol                         | USB Full Speed                                                                                          |
| Type                             | Four Line: +5V, GND, D+ and D-                                                                          |
| Connector Type                   | Micro USB                                                                                               |
| Power Source                     | From USB Port                                                                                           |
| Speed                            | USB Full Speed (12 Mbps)                                                                                |
| Cable Length                     | 1 m (Datachable)                                                                                        |
| Firmware                         | Upgradeable through USB Interface                                                                       |
| Contactless Smart Card Interface |                                                                                                         |
| Standard                         | ISO 14443 Type A, MIFARE, DESFIRE                                                                       |
| Protocol                         | ISO 14443 T=CL for ISO14443-4 compliant cards, and T+CL Emulation for MIFARE Classic 1k/4k and NFC tags |

|                                        |                                                                                                                                                                                                                                     |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating Frequency                    | 13.56MHz                                                                                                                                                                                                                            |
| Operating Distance                     | Up to 25mm(depending on tag type)                                                                                                                                                                                                   |
| Smart Card Read/ Write Speed           | 106Kbps,212Kbps,424Kbps                                                                                                                                                                                                             |
| Antenna Size                           | 28.00mm×32.00mm                                                                                                                                                                                                                     |
| Built-in Peripherals                   |                                                                                                                                                                                                                                     |
| LED                                    | 2bi-color, Red and Blue,Red and Green                                                                                                                                                                                               |
| Buzzer                                 | Monotone                                                                                                                                                                                                                            |
| Operating Conditions                   |                                                                                                                                                                                                                                     |
| Temperature                            | 0℃-50℃                                                                                                                                                                                                                              |
| Humidity                               | Max.90%(non-condensing)                                                                                                                                                                                                             |
| MTBF                                   | 500,000 hrs                                                                                                                                                                                                                         |
| Application Programming Interface      |                                                                                                                                                                                                                                     |
| PC-link Mode                           | PC/SC<br>CT-API(through wrapper on top of PC/SC)                                                                                                                                                                                    |
| Certifications/Compliance              | EN60950/IEC 60950,ISO 14443,USB Full Speed,Bluetooth Smart, PC/SC,CCID,RoHS 2, REACH, Microsoft® WHQL                                                                                                                               |
| Device Driver Operating System Support | Windows®ME,Windows®98,Windows®2000,Windows®XP,Windows®Vista,Windows®7,Windows®8,Windows®8.1,Windows®10,Windows®Server2003,Windows®Sever2008,Windows®,Sever2008R2,Windows®Sever2012,Windows®Sever2012R2,Linux®,Mac OS®, Android, IOS |

## Picture

