



## ACS® ACR1552U Desktop HF NFC Reader

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|                |                                                                                                                                                    |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| SKU:           | ACR1552U                                                                                                                                           |
| Frequency:     | HF 13.56 MHz                                                                                                                                       |
| Interface:     | USB                                                                                                                                                |
| Read Range:    | Up to 7 cm                                                                                                                                         |
| Protocol:      | ISO/IEC 14443-A, ISO/IEC 14443-B, ISO/IEC 15693, ISO/IEC 18092, ISO/IEC 21481                                                                      |
| Compatibility: | Supports Windows®, Linux®, macOS, Android™ operating systems                                                                                       |
| Industry:      | Government, Banking and Financial Services, Healthcare, Transportation, IT and Network Security, Retail, Hospitality, Corporate Security           |
| Application:   | Transportation, Network Security, Access Control, Loyalty Program, Smart Poster/URL Marketing, e-Government, e-Banking and e-Payment, e-Healthcare |

ACR1552U is a USB NFC reader developed based on 13.56 MHz contactless technology. It supports access to contactless cards and devices compliant with ISO/IEC 14443-A, ISO/IEC 14443 B, ISO/IEC 15693, and ISO/IEC 18092 standards.

The reader supports USB firmware upgrade and extended contactless APDU functionality. It offers three NFC operating modes: reader/writer mode, card emulation mode, and keyboard emulation mode. With its versatility and cost-effective design, the device is well suited for a wide range of potential applications, including electronic payment, access control systems, and transit ticketing, making it an ideal hardware solution for industries such as finance, healthcare, and government.

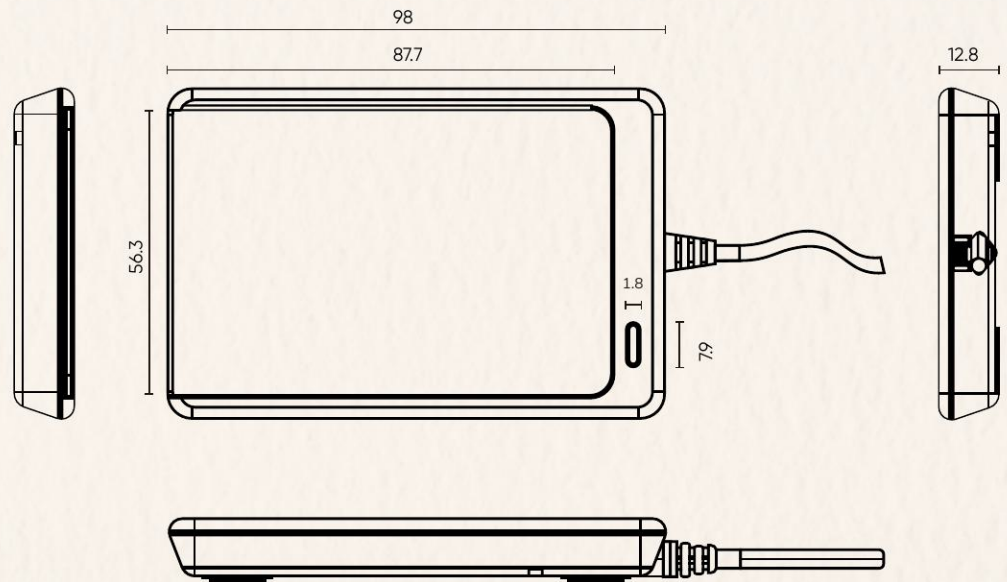
|                             |            |                                 |
|-----------------------------|------------|---------------------------------|
| <b>Physical Information</b> | Dimensions | 98×65×12.8 mm                   |
|                             | Weight     | 79 g                            |
|                             | Color      | White                           |
|                             | Connector  | 1 m USB cable(Non-detachable)   |
|                             | Buzzer     | 1×programmable mono-tone buzzer |
|                             | LED        | 1×programmable blue & green LED |

|                              |                             |                                                                               |
|------------------------------|-----------------------------|-------------------------------------------------------------------------------|
| <b>Technical Information</b> | Frequency                   | 13.56 MHz                                                                     |
|                              | Supported Protocols         | ISO/IEC 14443-A, ISO/IEC 14443-B, ISO/IEC 15693, ISO/IEC 18092, ISO/IEC 21481 |
|                              | Supported Card Types        | MIFARE®, FeliCa, SRI/SRIX, CTS, Innovatron, Picopass, Topaz Card              |
|                              | Read Range                  | Up to 7 cm                                                                    |
|                              | Compliance Standards        | USB CCID, PC/SC, Microsoft® WHQL, J-LIS                                       |
|                              | Certifications              | CE, UKCA, FCC, VCCI, RoHS, REACH, WEEE                                        |
|                              | Protocol                    | USB CCID                                                                      |
|                              | Connector Type              | USB Type-A                                                                    |
|                              | Accessory Interface Options | USB Type-A/USB Type-C                                                         |
|                              | Supply Voltage              | 5VDC                                                                          |
|                              | Current Consumption         | Max. 300 mA                                                                   |

|                              |                     |                                                                |
|------------------------------|---------------------|----------------------------------------------------------------|
| <b>Packaging Information</b> | Driver Supported OS | Windows®, Linux®, macOS, Android™                              |
|                              | Supported NFC Mode  | Card Reader/Writer, Keyboard Emulation, Card Emulation         |
|                              | Libraries           | CT-API                                                         |
|                              | SAM Card Standard   | 1 standard-size SAM slot, compliant with ISO 7816 Class A (5V) |
|                              | MTBF                | 500,000 Hours                                                  |
|                              | Additional Features | Supports short-circuit protection and USB Firmware Upgrade     |

|                               |                          |                              |
|-------------------------------|--------------------------|------------------------------|
| <b>Additional Information</b> | Operating Environment    | -20°C~+70°C                  |
|                               | Storage Environment      | +18°C~+28°C                  |
|                               | Operating Humidity Range | Up to 90% RH, non-condensing |

**Dimensions**  
(Unit: mm)



● **Performance and Illustrations:** Graphs and visuals are for reference only; actual product performance may vary depending on usage and environment. ● **Storage and Handling Guidelines:** Follow standard ESD-safe storage and handling procedures to maintain product integrity and avoid damage. ● **Product Updates and Revisions:** rfidbridge.com may change products, specs, or services at any time without prior notice. ● **General Use Disclaimer:** Products are for general-purpose use and not intended for safety-critical or life-support applications. ● **Legal Notice:** Information is believed accurate but may change. rfidbridge.com is not liable for use-related issues or outcomes.