

### HF | NFC - Stationary Reader **ACS - NFC Reader IV (ACR1552U)**

- ISO 14443 A&B, 15693 & 18092
- ISO 7816 - SAM slot
- USB Type - A or Typ - C
- USB Firmware Upgrades
- Support all major operations systems



### HF | NFC - Desktop Reader Most advanced contactless reader

The Advanced Card Systems NFC Reader IV (ACR1552U) is the fourth generation of USB NFC readers developed based on 13.56 MHz contactless technology. The NFC Forum-certified NFC III reader supports the ISO 14443 Type A and B, ISO 15693, and ISO 18092 standards.

Compliant with both CCID and PC/SC standards, this plug-and-play HF | NFC - RFID reader is equipped with high-speed communication capabilities of up to 848 kbps. The reader supports USB firmware upgradability and extended contactless APDU commands, making it a versatile and cost-effective hardware solution for various industries, such as office, healthcare, and government.

It offers intelligent support for three NFC feature modes: reader/writer, card emulation, and keyboard emulation. The flexibility of this HF | NFC - RFID reader enables numerous potential applications, such as e-healthcare, access control, ticketing, and membership management.

### Common Applications

- e-Government
- e-Healthcare
- Single Sign On
- Loyalty Management
- Membership Management
- Document Management



### TECHNICAL SPECIFICATIONS

#### Contactless Interface

Operating Frequency	13.56 MHz
Supported Standards	ISO 14443 Type A & B Parts 1-4, ISO 15693, ISO 18092 NFC, MIFARE®, FeliCa, SRI/SRIX, CTS, Innovatron, Picopass, Topaz Card, Card Reader/Writer, Keyboard Emulation, Card Emul.
Reading Distance	Up to 70 mm (Depending on tag type)
Read / Write Speed	106/212/424/848 kbps (ISO14443) 26/53kbps (ISO15693)
Operation Modes	Read / Write, Card Emulation, Keyboard Emulation

#### SAM Card Interface

Interface	1 x ISO 7816 Class A (5V) Standard SIM size slot
Protocol	T=0, T=1
Read/Write Speed	13.4 kbps – 1,250 kbps
Clock Frequency	5 MHz, up to 10MHz (Upon request)

#### Host Interface

Interface	USB 2.0
Protocol	USB CCID
Interface Speed	USB 2.0 Full Speed (12 Mbps) compatible with USB 3.0
Firmware Upgrades	Supported

#### Physical Characteristics

Dimension	Main Body: 98 x 65 x 12.8 mm Antenna size: 50 x 40 mm
Weight	89 g (USB Type-A)
Connector Type	USB Type-A or Type C
IP Protection	N/A
Temperature	0 - 60°C
Humidity	90% (Non-condensing)
MTBF	500,000 Hours

#### Electrical Characteristics

Voltage	5VDC
Consumption	Max. 300mA
Buzzer	1 x Programmable Buzzer (Mono-tone)
LED	1 x Programmable LED (Blue & Green)

#### Certifications & Compliances

Certifications	IEC/EN 62368, CE, UKCA, FCC, VCCI, KC, RoHS, REACH, WEEE, J-LIS, Microsoft® WHQL
Compliances	USB CCID, PC/SC

#### Drivers & Support

Supported OS	Windows®, Linux®, macOS, Android™
Supported Libraries	CT-API
Tools	Software Development Kit

#### Part No. / Model

4255892700095	HID / Read Write / PC/SC - USB-A
4255892700101	HID / Read Write / PC/SC - USB-C