

## HF | NFC - Stationary Reader ACS - AquaGuard (ACR1552U-A2)

- ISO 14443 A&B, 15693 & 18092
- IP67 Support
- USB Type - A
- USB Firmware Upgrades
- Support for all major operating systems



### HF | NFC - Desktop Reader IP67-rated NFC USB Reader

The AquaGuard NFC USB Reader is ACS's fourth generation HF | NFC - RFID reader based on 13.56 MHz contactless technology. It works with contactless cards and devices compliant with ISO 14443 Type A and B, ISO 15693 and ISO 18092 standards. Its IP67 rating means it is exceptionally resistant to dust and water, ensuring uninterrupted operation even in the harshest conditions.

Compliant with both CCID and PC/SC standards, the AquaGuard NFC USB Reader offers high-speed communication of up to 848kbps. The reader's IP67-rated housing houses USB firmware upgradeable features, extending its versatility and cost-effectiveness across a wide range of sectors, including finance, healthcare and government.

This IP67-rated HF | NFC - RFID reader intelligently supports three modes of NFC: reader/writer, card emulation and keyboard emulation. Its robustness and versatility open up a wide range of potential applications such as loyalty programmes, access control systems and transport ticketing. The AquaGuard Reader, with its IP67 support, is a rugged and reliable choice in HF | NFC - RFID technology.

### Common Applications

- e-Government
- e-Healthcare
- Single Sign On
- Loyalty Management
- Membership Management
- Access 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
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, Keyboard Emulation & Card Emulation

#### 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: 85.0 x 60.0 x 9.0 mm With Stand: 86.6 x 62.6 x 62.4mm
Weight	67g 88g (with stand)
Connector Type	USB Type-A
IP Protection	IP67
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 RGB (Blue, Green & Red)

#### 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

4255892700040	HID / Read Write / Card Emulation - USB-A
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