ACR1552U-A2 AquaGuard USB contactless card reader

The ACR1552 from ACS is a 13.56 MHz USB contactless smartcard reader that supports ISO 14443 type A and B cards, MIFARE, FeliCa, ISO 15693 and ISO 18092-compliant NFC cards and tags. This is the AquaGuard version of the popular reader offers dust and temporary water resistance, for operation challenging environments. The ACR1552 boasts faster read/write speeds than the earlier ACR1252 and compatibility with a still wider range of cards.

The ACR1552 supports modes including card reader/writer, card emulation and keyboard emulation (using a free software download).

The ACR1552 is CCID and PC/SC compliant, for maximum interoperability with various different devices and applications. Supports extended APDU messages (up to 64 kbytes).

This ACR1552U model is housed in a white plastic IP67 rated case with a captive cable.

A compact 13.56MHz NFC contactless USB-A reader with an IP67 rating for resistance to dust and water. SDK also available.

To buy, visit:

https://www.smartcardfocus.com/shop/ilp/id~1001/p/index.shtml

This Product Briefing has been produced by Dot Origin Ltd, the smart card experts behind SmartcardFocus.com. If you have a query email sales@smartcardfocus.com or call us on +44 (0)1428 685250.

Technical Specifications

Product:

Credential type(s): Contactless

NFC modes: Read and Write, Card emulation, Keyboard emulation (using free tool)

Form factor: Portable

Connector: USB Type A

OS support: Windows; Linux; Mac OS; Android

Contactless Card Interface:

Contactless interface standard: ISO 14443 Type A and B; ISO 18092 NFC; ISO 15693

Contactless credential types: MIFARE Classic, FeliCa

Contactless operating frequency: High (13.56MHz)

Data transmission protocol: T=CL

Contactless operating distance: Up to 70mm (2.76in) depending on tag type

Contactless read/write speed: 106/212/424/848kbps programmable (ISO14443); 26/53kbps (ISO15693)

Host Interface:

Host interface standards: USB CCID

Host data transmission speed (wired): 12 Mbps (USB 2.0 full speed) compatible with USB 3.0

Other Features:

Status indicator: 1 x programmable RGB LED (blue, green and red); 1 x programmable buzzer (monotone)

Firmware in-field upgradeable: Yes over USB

Certifications:

Manufacturer's warranty: 1 year

MTBF: 500 000hrs

Type approvals: CE, UKCA, FCC, RoHS, REACH, WEEE

Security certifications: FIPS 140-2 Level 3

Application approvals: VCCI (Japan), KC (Korea)

Physical:

Dimensions: 85 x 60 x 9mm (3.35 x 2.36 x 0.35in)

Weight (±5%): 67g (2.4oz)

Cable length supplied: 1m (39in) captive

Power:

Supply Voltage: 5V DC

Current Consumption: 300mA max

Battery power option: No

Environment:

Operating temperature: 0 to 60degC (32 to 140degF)

Operating humidity: Up to 90% RH (non-condensing)

Manufacturer's part number: ACR1552U-A2

Country of origin: China

HSF code: 84719000

Manufacturer: ACS