ACM1552U-Z2 mini USB contactless NFC reader module

The ACM1552U-Z2 contactless and NFC reader module from ACS is a 13.56 MHz USB NFC module designed to be integrated into embedded systems. This reader module supports a wide range of protocols and technologies including NFC (card reader/writer, card emulation, and keyboard emulation), ISO 14443, ISO 15693, ISO 18092 and FeliCa.

Featuring an access speed of up to 848 Kbps, double that of the older ACM1252U-Z2, and an operating distance of up to 70 mm, the ACM1552U-Z2 NFC reader module is an ideal addition to enable NFC transactions in various compact application areas. Fully PC/SC and CCID compliant, this reader supports easy integration on Windows and many other operating systems.

The ACM1552U-Z2 reader module offers an anti-collision feature and easy integration into embedded systems.

Belongs to the family of devices including the ACM1552U-Y3 module and the ACR1552U reader.

A compact 13.56 MHz contactless and NFC reader module designed to be integrated into other systems. On board antenna.

To buy, visit:
https://www.smartcardfocus.com/shop/ilp/id~984/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

Read/Write: Read and Write

Form factor: Reader module with detachable antenna

Connector: 5pin, 1mm pitch, JST SH series compatible

OS support: Windows; Linux; Mac OS; Android

Contactless Card Interface:

Contactless interface standard: ISO 14443 / ISO 15693 / ISO 18092 NFC

Contactless credential types: MIFARE DESFire / MIFARE Classic / MIFARE Ultralight / FeliCa

Contactless operating frequency: High (13.56MHz)

Data transmission protocol: T=CL

Contactless operating distance: Up to 70mm (2.8in) depending on card type

Contactless read/write speed: up to 848kbps

Host Interface:

Host interface standards: PC/SC

Host data transmission speed (wired): 12 Mbps (USB full speed), compatible with USB3.0

Other Features:

NFC features: Smartcard reader/writer, Keyboard emulation (using free software download from ACS), Card emulation

Status indicator: 1 bi-colour green-blue LED; monotone buzzer

Certifications:

Manufacturer's warranty: 1 year

MTBF: 500 000hrs

Approvals: UKCA, CE, FCC, VCCI (Japan), KC, RoHS, REACH, WEEE

Country of origin: China

Physical:

Dimensions: 52 x 20 x 5.7mm (2.0 x 0.79 x 0.22in)

Weight (±5%): 3.4g (0.12oz)

Cable length supplied: None

Power:

Supply voltage: 5V DC

Operating current: 200mA (max)

Environment:

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

Operating humidity: 90% RH (non-condensing)

Manufacturer's part number: ACM1552U-Z2

Country of origin: China

HSF code: 84719000

Manufacturer: ACS