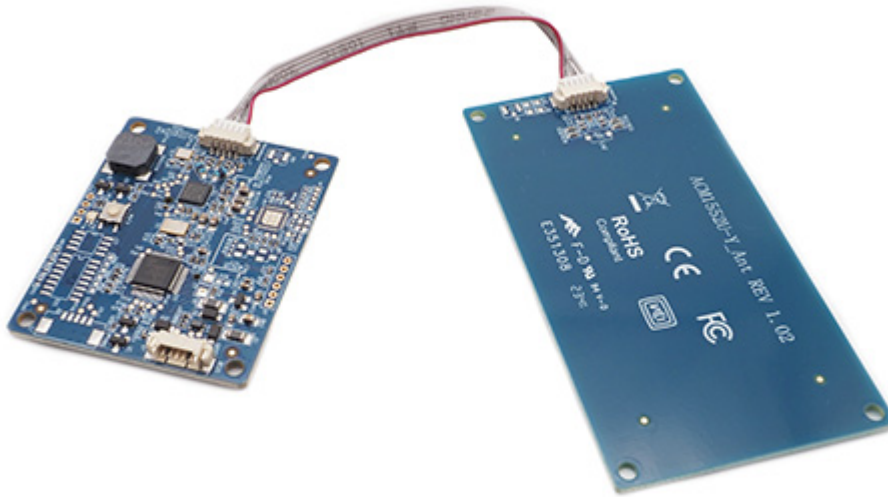


ACM1552U-Y3 NFC reader module



The ACM1552U-Y3 contactless and NFC reader module from ACS is a 13.56 MHz USB NFC solution that supports a wide range of technologies including NFC (card reader/writer, card emulation, and keyboard emulation mode), ISO 14443, ISO 15693, ISO 18092 and FeliCa devices.

Featuring an access speed of up to 848 Kbps, double that of the older ACM1252U-Y3, and an operating distance of up to 70 mm, the ACM1552U-Y3 NFC reader module is an ideal front-end addition to enable NFC transactions in various application areas including kiosks, vending machines and embedded systems.

Comes complete with a separate antenna and a captive USB cable.

**\*New from ACS\* A 13.56 MHz contactless and NFC reader module designed to be integrated into other systems. Comes with a separate antenna and a captive USB cable.**

To buy, visit:

<https://www.smartcardfocus.com/shop/ilp/id~983/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](mailto: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: USB CCID (Type A connector)

OS support: Windows; Linux; Mac OS; Android

### Contactless Card Interface:

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

Contactless credential types: 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)

### 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), RoHS, REACH, WEEE, IEC 62368

Country of origin: China

### Physical:

Dimensions: 45 x 55 x 6.5mm (1.8 x 2.2 x 0.26in) + antenna board 91 x 49.5 x 5mm (3.6 x 1.9 x 0.2in)

Weight ( $\pm 5\%$ ): 30g (1.1oz) without USB cable

Cable length supplied: 1m (39in)

**Power:**

Supply voltage: 5V DC

Operating current: 300mA (max)

**Environment:**

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

Operating humidity: 90% RH (non-condensing)

**Manufacturer's part number:** ACM1552U-Y3 + 1m Black USB Cable

**Manufacturer:** ACS