

ACM1552D-CW WalletMate II Boost with USB cable



This ACM1552D-CW WalletMate II Boost reader board has a built-in antenna. It is based on an ACM1552U which has been enhanced, so that it can support the use of mobile wallet passes. It has been certified for Apple VAS (value-added services ECP1.0), Apple ECP2.0 access control and Google Smart Tap applications, such as loyalty schemes, tickets, and staff or student IDs. The ACM1552D-CW is a reader board with a detachable USB cable. An optional RS-232 cable is also available.

The ACM1552 module from ACS is a 13.56 MHz contactless smartcard reader board that supports ISO 14443 type A and B cards, MIFARE, FeliCa, ISO 15693 and ISO 18092-compliant NFC cards and tags. This is the latest evolution of the popular ACM1252. Private keys are stored inside the secure element for Apple VAS and Google Smart Tap. This model also includes a SAM slot to enable a higher-level of security in contactless and NFC transactions. It is designed to integrate into vending machines, kiosks and gaming systems.

The ACM1552 supports modes including card reader/writer, card emulation and keyboard emulation (using a free software download from ACS, with the USB interface only).

The ACM1552 is CCID and PC/SC compliant, for maximum interoperability with various different devices and applications.

The basic ACS VAS Test Tool for Windows/Linux is available (from ACS) on request, to allow you to test NFC mobile wallet passes on this reader board.

In order to control the operation of this reader board within an application you will need to develop software. Your application itself will also require approvals before mobile

passes can be obtained. If you are developing a mobile wallet application do please [contact us](#) and we will be happy to offer advice or help you refine your requirements.

Mobile NFC reader board with detachable USB cable. Compatible with Apple VAS and Google Smart Tap. (Optional RS-232 cable available.)

To buy, visit:

<https://www.smartcardfocus.com/shop/ilp/id~1065/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.

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Product:

Credential type(s): Contactless

NFC modes: Read and Write, Keyboard emulation, Card emulation

Form factor: Reader module with built-in antenna

Cable: USB Type-A detachable. Optional RS-232 detachable cable available separately.

OS support: Windows; Linux; Mac OS; Android; iPadOS

Contactless Card Interface:

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

Contactless credential types: MIFARE Classic, MIFARE DESFire, MIFARE Ultralight, MIFARE Plus, FeliCa

Contactless operating frequency: High (13.56MHz)

Data transmission protocol: T=CL

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

Contactless read/write speed: 106/212/424/848kbps ISO14443 or 26kbps ISO15693

Contact (SAM) Card Interface:

Contact interface standard: ISO 7816 Class A, standard SIM-sized slot

Contact read/write speed: 13.4kbps to 1250kbps

Clock frequency: 5MHz

Data transmission protocol: T=0, T=1

Host Interface:

Host interface protocol: USB or RS-232 serial

USB connector: 5pin, Molex KK 254 wire-to-board header compatible

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

RS-232 connector: 5pin, JST B5B-XH-A compatible

RS-232 host data transmission speed (wired): 9.6 kbps, 19.2kbps, 38.4kbps, 57.6kbps, 115.2kbps, 230.4kbps

RS-232 default settings: 115200bps, 8 data bits, no parity, 1 stop bit

Other Features:

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

Firmware in-field upgradeable: Yes

Libraries and tools: Apple VAS API, Google Smart Tap API, CT-API; ACS VAS Test Tools with API; a Software Development Kit is available to purchase separately from ACS.

Certifications:

Manufacturer's warranty: 1 year

MTBF: 500 000hrs

Standards: J-LIS, Apple VAS (ECP1.0 and ECP2.0), Google Smart Tap, CE, UKCA, FCC, VCCI, MIC, RoHS, REACH, WEEE

Physical:

Dimensions: 106.6 x 67 x 16mm (4.2 x 2.6 x 0.63in)

Antenna size: 65 x 60mm (2.6 x 2.4in)

Weight (± 1 g): 20g (0.7oz) without cable, 68g (5.9oz) with USB cable

Cable lengths supplied: 1m (39in) USB cable

Power:

Supply voltage: 5V DC

Operating current: 300mA (max)

Battery power option: No

Environment:

Operating temperature: -20 to 70degC (-4 to 158degF)

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

Manufacturer's part number: ACM1552D-CW + ACM1552D-CBAU01

Country of origin: China

HSF code: 8542390000

Manufacturer:ACS