

HF | NFC - Stationary Reader

ACS - WalletMate II (ACR1552U-MW)

- Apple VAS & Google Smart Tap Certified
- Supports ISO 14443 Type A & B, ISO 15693, ISO 18092
- Secure element for private key (LTPK) storage
- Plug-and-play via USB CCID / PC/SC compliant
- Compatible with Windows, Linux, macOS & Android



HF | NFC - Desktop Reader Mobile Wallet NFC Reader

The WalletMate II is an NFC reader engineered for seamless mobile wallet integration. Certified by both Apple and Google, it fully supports their respective VAS protocols including ECP 1.0 and ECP 2.0, enabling virtual passes such as loyalty cards, event tickets, and staff or student ID cards on both iOS and Android platforms. A simple tap is all it takes to deliver a smooth, cardless user experience.

Operating at 13.56 MHz, the WalletMate II supports a broad range of contactless card standards including ISO 14443 Type A and B, ISO 15693, ISO 18092, MIFARE, FeliCa, and various NFC tag formats. The private key (LTPK) is securely stored within a dedicated secure element for both Apple VAS and Google Smart Tap, ensuring data integrity and transaction security.

As a CCID and PC/SC compliant device, the WalletMate II is a true plug-and-play solution compatible with all major operating systems. It offers three operational modes - NFC reader/writer, keyboard emulation, and card emulation - making it a versatile and high-performance reader for diverse smart card deployments. With a rated MTBF of 500,000 hours, it delivers outstanding reliability for demanding environments.

Common Applications

- e-Government
- e-Banking & e-Payment
- e-Healthcare
- Single Sign On
- Loyalty Management
- URL Marketing
- Document Management



TECHNICAL SPECIFICATIONS

Contactless Smart Card Interface

Supported Card Types	ISO 14443 Type A & B Parts 1-4, ISO 15693, ISO 18092 NFC, MIFARE Classic®, MIFARE® DESFire®, MIFARE Ultralight®, MIFARE Plus®, FeliCa, SRI/SRIX, CTS, Innovatron, Picopass, Topaz
Operating Frequency	13.56 MHz
Reading Distance	Up to 50 mm (Depending on tag type)
Read/Write Speed	106/212/424 kbps (Programmable)
Anti-Collision	Read / Write, Peer to Peer, Card Emulation
Supported NFC Mode	NFC Reader/Writer, Keyboard Emulation, Card Emulation,

SAM Card Interface

Standard	1 x ISO 7816 Class A (5V, 3V) Standard SIM size slot
Read/Write Speed	13.4 kbps – 1,250 kbps
Clock Frequency	5 MHz, up to 10MHz (Upon request)
Protocol	T=0, T=1

Host Interface

Protocol	USB CCID
Connector Type	USB Type-A
Speed	USB 2.0 Full Speed (12 Mbps) compatible with USB 3.0
Supply Voltage	5VDC
Current Consumption	Max. 300mA
Firmware Upgrade	Supported

Physical Characteristics

Dimension	Main Body: 98.0 x 65.0 x 12.8 mm Antenna size: 50.0 x 40.0 mm
Weight	86g ± 5 g
Available Colour	White
Cable Length	1 m

Peripherals

Buzzer	1 x Programmable Buzzer (Mono-tone)
LED	1 x Programmable LED (Blue & Green)

Operating Condition

Temperature	-20 - 70°C
Humidity	Max. 90% (Non-condensing)
MTBF	500,000 Hours

Certifications/ Compliances

Standards	USB CCID, PC/SC, Microsoft® WHQL, J-LIS
Regulatory / Environmental	CE, UKCA, FCC, VCCI, RoHS, REACH, WEEE

Drivers & Support

Driver Supported OS	Windows®, Linux®, macOS, Android™
Warranty	1 Year