

CONTACTLESS READERS

WalletMate

Mobile wallet NFC Reader (Apple VAS & Google Smart Tap Certified)

The WalletMate Mobile wallet NFC Reader is designed to facilitate mobile NFC applications. Certified by Apple and Google VAS (value-added service) protocols, the WalletMate could bring ultimate cardless user experiences by supporting various virtual passes such as loyalty cards, tickets, and staff /student ID cards on both IOS and Android platforms. With the VAS protocol, users can enjoy an agile and convenient tap-to-go experience as the host terminal could select a specific wallet pass from the user's mobile through a unique merchant ID.

The WalletMate is developed based on 13.56MHz, it supports ISO 14443 Type A and B cards, MIFARE®, FeliCa, and ISO 18092compliant NFC tags. It is certified by the NFC forum, making it capable of the three NFC modes, namely: card reader/writer, card emulation and peer-to-peer communication.

Compliant with both CCID and PC/SC, this plug-and-play USB NFC device allows interoperability with different devices and applications. It is thus ideal for integrating into various systems to support both physical smart cards and virtual wallet passes.



Support various type of card type

- ISO/IEC 18092 NFC
- ISO 14443 Type A & B (T=CL)
- o MIFARE®
- o FeliCa

Apple VAS & Google Smart Tap Certified

- Well tested and certified by Apple and Google, work with their respective VAS (Value-added service) protocols
- ☑ Secure
 - o Long Term Private Key (LTPK) stored inside secure element for Google Smart Tap
- ☑ Flexible
 - Read/write speed, LED & Buzzer can be programmable
- ☑ Support USB Firmware Upgrade
- Reliable
 - o Certified for international regulations
 - o Mean time between failures (MTBF) up to 500k Hours
- Compatibility
 - Support for all major operating systems
 - Windows®, Linux®, macOS, Android™



Common **Applications**

e-Government

e-Banking and e-Payment

e-Healthcare

Transportation

Network Security

Access Control

Loyalty Program

Smart Poster/URL Marketing

P2P Communication









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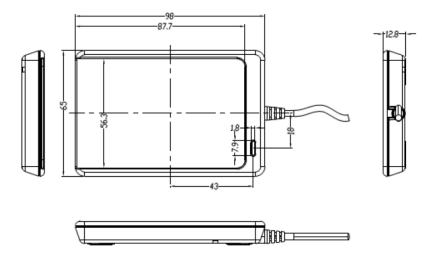


TECHNICAL SPECIFICATION

Contactless Smart Card	Interface
Supported Card Types	ISO/IEC 18092 NFC, ISO 14443 Type A &
	B, MIFARE®, FeliCa
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	Yes
Supported NFC Mode	NFC Reader/Writer, Peer-to-Peer, Card Emulation
Host Interface	
Protocol	USB CCID
Connector Type	USB Type-A
Speed	USB 2.0 Full Speed (12Mbps)
	compatible with USB 3.0
Supply Voltage	5VDC
Current Consumption	Max. 200mA
USB Firmware	Supported
Upgrade	
Physical Characteristics	5
Dimension	Main Body: 98 x 65 x 12.8 mm
(L x W x H)	Antenna size: 50 x 40 mm
Weight (±5 g)	81 g (USB Type-A)
Available Colour	Matte Black
USB Cable Length	1 m (Non-detachable)

Peripherals		
Buzzer	1 x Programmable Buzzer (Mono-tone)	
LED	1 x Programmable LED (Red & Green)	
Operating Condition		
Temperature	0 - 60°C	
Humidity	90% (Non-condensing)	
MTBF	500,000 Hours	
Certifications & Compliances		
Certifications	Apple VAS, Google Smart Tap, NFC Forum Certification Mark, IEC/EN 62368, CE, UKCA, FCC, J-LIS, VCCI, TELEC, KC, BIS, ROHS, REACH, WEEE, Microsoft® WHQL	
Compliances	USB CCID, PC/SC	
Libraries & Tools		
Libraries	Apple VAS API, Google Smart Tap API, CT-API	
Tools	ACS VAS Test Tools with API (Windows, Linux), (More support will come for other operating systems) Software Development Kit (USD 199)	
Drivers & Support		
Driver Supported OS	Windows®, Linux®, macOS, Android™	
Warranty	1 Year	
Model/Part Number		
Default	ACR1252U-MW (USB Type-A)	

MECHANICAL SPECIFICATION



About ACS

Advanced Card Systems Ltd. (ACS), founded in 1995, is Asia Pacific's top supplier and one of the world's top 3 suppliers of PC-linked smart card readers. ACS is the winner of the Product Quality Leadership Award for Smart Card Readers from Frost & Sullivan. In 2010, 2014 and 2015, ACS was listed in Forbes Asia's "Best Under a Billion" list, an inter-industry list comprised of 200 top-performing publicly listed companies in the Asia-Pacific, with sales between US\$5 million and US\$1 billion. ACS develops a wide range of high-quality smart card reading/writing devices, smart cards and related products and distributes them to over 100 countries worldwide.

Click here for Sales Enquiry

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WalletMate – March 2024. Subject to change without prior notice.

