



ACR1555U-A1

ACS Secure Bluetooth® NFC Reader



Advanced Card Systems Ltd.

Card & Reader Technologies

Outline

- **Product Overview**
- **Product Features**
- **Product Value**
- **Product Application**
- **Compliance/Certification**
- **OS Support**





Product Overview

ACR1555U-A1

ACS Secure Bluetooth® NFC Reader



Advanced Card Systems Ltd.

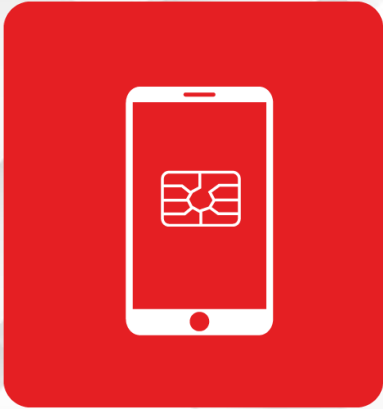
Card & Reader Technologies

Product Overview

ACR1555U-A1

- The ACR1555U-A1 ACS Secure Bluetooth® NFC Reader combines the latest 13.56 MHz contactless technology with Bluetooth® 5.2 connectivity for on-the-go smart card and NFC applications.
- With its AES-128 encryption algorithm, it allows secured wireless data transfer to most mobile devices in the market, making it the perfect device for your smart card solution.





Product Features

ACR1555U-A1

ACS Secure Bluetooth® NFC Reader



Advanced Card Systems Ltd.

Card & Reader Technologies

Product Features

ACR1555U-A1



Interface

Bluetooth® 5.2
USB Full Speed

Plug and Play Support

CCID Compliant

ISO 7816 Standard

SAM slot

Emulation

NFC tag: Message, Smart Poster,
vCard and URL
Bluetooth HID Keyboard

Certifications/Compliance

ISO 18092, ISO 14443
Bluetooth® 5.2
Microsoft® WHQL
CE, FCC, VCCI
RoHS 3, REACH

Card Type Support

ISO 14443 Type A & B Parts 1-4,
ISO 15693, ISO 18092, NFC 5
Types of NFC tags, MIFARE® &
FeliCa

Encryption Algorithm

AES-128

Peripherals

1 Bi-color LEDs, 2 Mono LEDs
1 Buzzer

Supported Operating System

*Windows®, *Linux®
*Mac OS®
Android™, iOS, iPadOS
* Supported USB and Bluetooth HID
Keyboard emulation

Other Features

Firmware Upgradeable
Rechargeable Lithium-ion Battery



Product Value

ACR1555U-A1

ACS Secure Bluetooth® NFC Reader



Advanced Card Systems Ltd.

Card & Reader Technologies

Product Value

Cost-effective

A compact and powerful device that integrates different features into one device

Compatibility

A device that supports most contactless cards and NFC tags/devices available in the market

Secure

User information is encrypted using the AES-128 algorithm

Flexible

May be used with either a mobile device or a desktop computer





Product Application

ACR1555U-A1

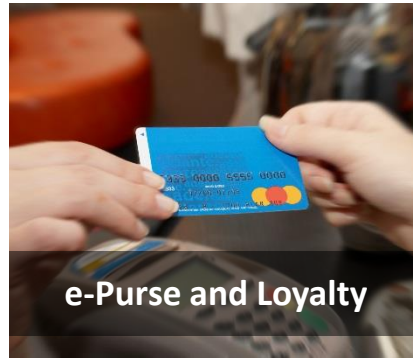
ACS Secure Bluetooth® NFC Reader



Advanced Card Systems Ltd.

Card & Reader Technologies

Product Application



ACR1555U-A1 Sample Application



Personnel are issued contactless smart ID cards.



Select persons who have access to environments where hands-free verification is frequent or crucial are given ACR1555U-A1 readers

Access Control

Whenever the card and reader holder is within range of digital printers, networks, computers, smartphones or tablets, access is granted immediately without any need for tapping smart cards.

A white contactless smart ID card and a blue employee ID card hanging from a lanyard, demonstrating the application in a real-world setting.



Compliance/Certifications

ACR1555U-A1

ACS Secure Bluetooth® NFC Reader



Advanced Card Systems Ltd.

Card & Reader Technologies

Compliance/Certifications





OS Support

ACR1555U-A1







ACS Secure Bluetooth® NFC Reader



Advanced Card Systems Ltd.

Card & Reader Technologies

OS Support

	Bluetooth Reader mode	Bluetooth HID Keyboard emulation mode	USB Reader mode
	✓	✓	✓
 iOS iPadOS	✓	✓	✓ Lightning not supported
 macOS		✓	✓ Lightning not supported
		✓	✓
		✓	✓
		✓	✓





Thank You!

info@acs.com.hk

www.acs.com.hk

For more information, visit:

<https://www.acs.com.hk>



Advanced Card Systems Ltd.

Card & Reader Technologies