



ACR123U-A1

Intelligent Contactless Reader



Advanced Card Systems Ltd.
Card & Reader Technologies

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Product Information



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Product Overview

Belonging to the ACR123 Series, which is designed to revolutionize payment transactions, the ACR123U (USB Version) offers more options in integrating contactless technology with existing point-of-sale (POS) terminals, enabling a more convenient cashless payment experience.



Product Overview

The ACR123U revolutionizes the customer shopping experience, creating a world of faster, more convenient cashless payment systems. It can be integrated to existing point-of-sale (POS) terminals, making it ideal for applications like banking & payment, e-Purse & loyalty, as well as in transportation.



Product Features



ARM® Cortex®-M3 32-bit Processor

Supported Card Types
ISO 14443 Type A & B, MIFARE® cards
ISO 7816-compliant SAM slots
(Class A)

Fast Access Speed

Smart Card Interface
PICC (Contactless)
SAM (Contact)

Firmware Upgradeable

User-controllable Peripherals

Graphical LCD (128 x 64 pixels)
Tapping Region Backlight in three
Colors
Four LEDs, Speaker

Certifications/Compliance

ISO 14443, ISO 7816 (SAM Slot),
PC/SC, CCID, CE, FCC, RoHS,
REACH, VCCI, KC, Microsoft® WHQL

Protocols and Standards

ISO 14443 Parts 1-4
ISO 7816
PC/SC and CCID
USB Full Speed (12 Mbps)

Operating System Support

Windows®
Linux®
Mac OS®
Solaris
Android™





Product Value



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Product Value

- Multi-protocol Support – ACR123U supports ISO 14443 Type A and B cards and ISO 7816 Compliant SAM Cards with T=0 and T=1 protocol.
- Rich User Interaction – The large tapping region with backlight provides end-users a simple and user-friendly experience when tapping their cards on the ACR123U.
- Firmware Upgradeable – In-field firmware upgrade function provides support for any future enhancements



Product Value

- Great Convenience to Consumers – Users can complete their payment by simply tapping their cards and not rifle through their wallets for cash. ACR123U supports anti-collision and direct polling.
- High Speed Transaction –ACR123U has a high communication speed of up to 848 Kbps.
- High Security – ACR123U has three built-in SAM slots to add a security layer for contactless operations.
- Ease of Integration – PC/SC-compliant Contactless Interface & SAM Interface





Product Application



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In what areas can the ACR123U-A1 be used?





Compliance & Certifications



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Thank You!



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info@acs.com.hk
www.acs.com.hk