



ACR123S

Intelligent Contactless Reader



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Card & Reader Technologies

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Product Overview



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ACR123S Intelligent Contactless Reader

Designed to revolutionize payment transactions, the ACR123S is an intelligent contactless reader that can be integrated to existing point-of-sale (POS) terminals or cash registers, offering the convenience of a cashless payment system.





Product Features



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What are the Key Features of ACR123S?



ARM® Cortex®-M3 32-bit Processor

Smart Card Interfaces

PICC (Contactless)
ICC (3 SAM Slots)

Supported Card Types

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

User-controllable Peripherals

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

Firmware Upgradeable

Fast Access Speed

Serial RS-232 interface with RJ45 connector for data communication, USB Full Speed (12 Mbps) for power

Certifications/Compliance

ISO 14443, ISO 7816 (SAM Slot), CE, FCC, RoHS 2, REACH, VCCI (Japan), KC (Korea)

Protocols and Standards

ISO 14443 Parts 1-4
ISO 7816

Operating System Support

Windows®
Linux®

ACR123S Key Features

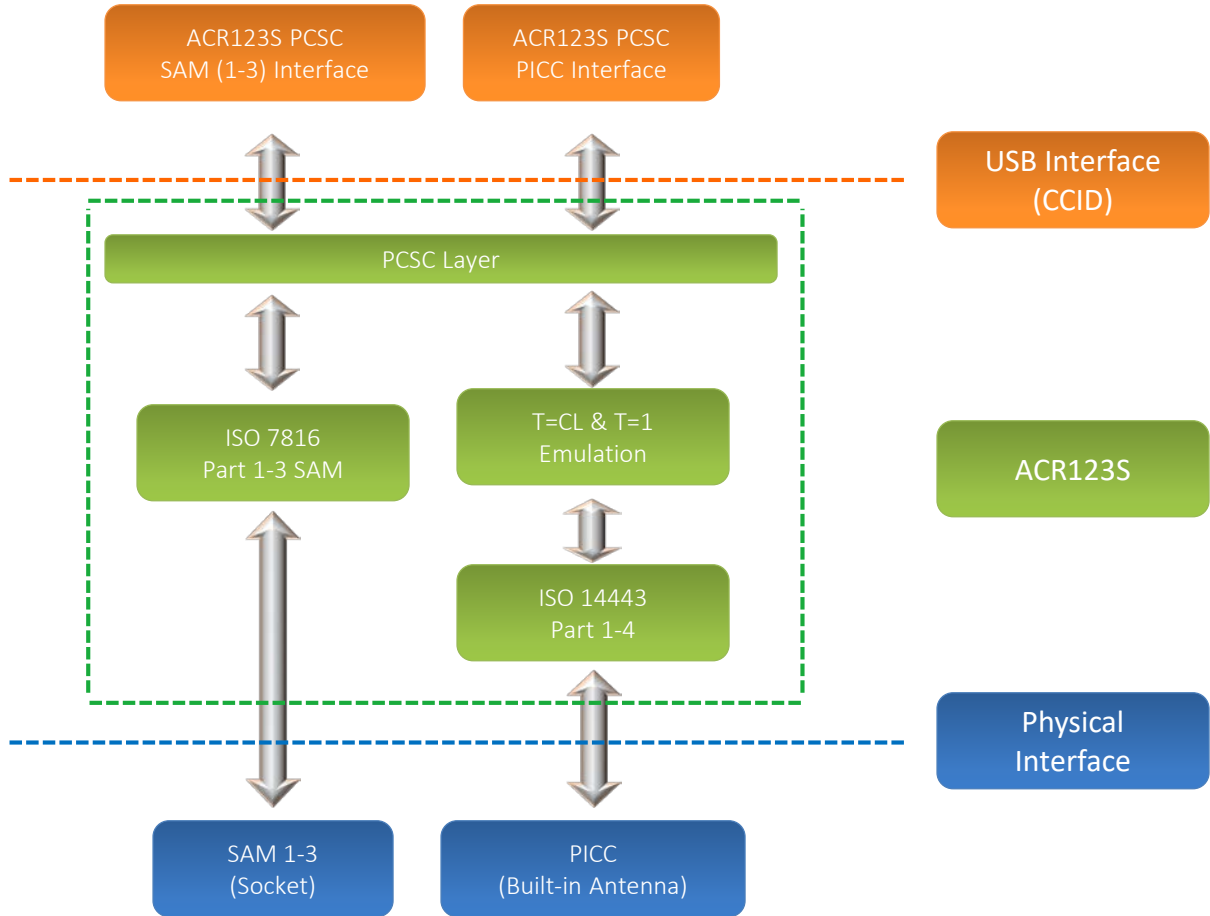


The ACR123S revolutionizes the customer shopping experience, creating a world of faster, more convenient cashless payment systems. It can be integrated to existing point-of-sale (POS) terminals, making it ideal for applications like banking & payment, e-Purse & loyalty, as well as in transportation.

- ACR123S is built based on ISO 14443 and supports MIFARE® cards
- Equipped with a large graphical LCD and a large tapping area with backlight
- Allows in-field firmware upgradability function to support any future enhancements



Product Architecture





Product Value



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What are the Key Benefits of ACR123S?



Multi-protocol Support

The ACR123S 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 ACR123S.

Firmware Upgradeable

In-field firmware upgrade function provides support to any future enhancements

Great Convenience to Consumers

Users can complete their payment by simply tapping their cards and not rifle through their wallets for cash. ACR123S supports anti-collision and direct polling.

High-speed Transaction

ACR123S has a high communication speed of up to 848 Kbps.

High Security

ACR123S has three built-in SAM slots to add a security layer for contactless operations.

Ease of Integration

- PC/SC-compliant Contactless Interface
- PC/SC-compliant SAM Interface



Product Application



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In what areas can we apply ACR123S?



Banking and Payment



Transportation



e-Purse and Loyalty



e-Healthcare

Introduction

Features

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Application



Compliance/Certifications



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Thank You!



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<http://www.youtube.com/user/AdvancedCardSystems>

For more information, visit:

<http://www.ACR123S.com/>



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