



# ACR123S

## Intelligent Contactless Reader



**Advanced Card Systems Ltd.**  
Card & Reader Technologies

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# Product Information



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# Product Overview

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



# Product Features



**ARM® Cortex®-M3 32-bit Processor**

**Fast Access Speed**

**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

**Protocols and Standards**

ISO 14443 Parts 1-4  
ISO 7816  
PC/SC

**Operating System Support**

Windows®  
Linux®

**Supported Card Types**

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

**Smart Card Interface**

PICC (Contactless)  
SAM (Contact)

**Firmware Upgradeable**





# Product Value



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# Product Value

- Multi-protocol Support – 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 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. 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 & SAM Interface







# Product Application



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# In what areas can the ACR123S be used?



Transportation



e-Healthcare



e-Purse and Loyalty



e-Banking and e-Payment



Contactless Mobile Payment





# Compliance & Certifications



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# Compliance & Certifications





**Thank You!**



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