



ACR122L

NFC Contactless Smart Card Reader with LC Display

ACR122L, an extension of ACS's ACR122 family, is a serial NFC Contactless Smart Card Reader with a LC display, 4 LEDs and a buzzer. Incorporating both 13.56 MHz RFID technology and ISO 18092 NFC standard, it supports ISO 14443 Type A and B, Mifare®, FeliCa and NFC technologies (all 4 types of tags and all 3 modes – reader, peer-to-peer and card emulation mode). With 3 SAM slots, ACR122L also ensures high level of security.

ACR122L has all the ACR122 family advantages. It offers excellent support for cases with multiple contactless cards via built-in anti-collision mechanism and direct card type polling commands. For example, ACR122L is able to detect FeliCa card only when both Type A and FeliCa cards are present. ACR122L also tailor-suites customer's specific requirements, e.g. faster card responses, LED & buzzer on/off and LC display, with direct commands.

With LCD display and retractable reader stand, ACR122L is an excellent choice to implement almost all kinds of contactless applications, with superior compatibility to existing and future markets.



Standard Features

Smart Card Interface		Certifications/Compliance	
Anti-collision (For multiple cards cases – both same types and different types)	✓	CE, FCC	✓
Direct card type polling	✓	RoHS	✓
Card Support		Dimensions (with Stand)	
ISO 14443 Type A & B (e.g. Desfire, CEPAS)	✓	133 mm (L) x 88mm (W) x 95mm (H)	
FeliCa (212 kbps & 424 kbps)	✓	User Interface	
Mifare®	✓	2 line LCD with multi-languages support – Chinese, English, Japanese and some European languages	
NFC reader mode (e.g. mobile phones), peer to peer mode and card emulation	✓	4 controllable LEDs and 1 controllable buzzer	
Host Interface		Other Features	
RS232	✓	3 SAM slots	
DC power (Optional: PS/2 and USB)	✓	Advanced settings by direct commands	
		Plug and play	
		Movable and retractable reader stand	

Typical Applications

- ✓ Network access control
- ✓ Computer system log-on
- ✓ Micro-payment
- ✓ NFC mobile tag
- ✓ Online purchase
- ✓ Customer loyalty
- ✓ Time and attendance
- ✓ E-banking

