

ACR89U-A2 Handheld Smart Card Reader (Contactless Version)

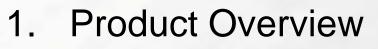
Product Presentation



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Product Overview



Product Overview



ACR89U-A2 (Contactless Version)

The ACR89U-A2 Handheld Smart Card Reader with NFC tag support is primarily designed for applications that require access to both contact and contactless smart cards following ISO7816 and ISO14443 standards.

It is an upgrade version of ACR88-CL which offers better performance, longer battery life and with optional thermal printer support.







Product Features



What are the Key Features of ACR89U-A2?



Firmware upgradeable

Tamper detection switch

PC-Linked / Standalone Operation Modes



Product Features



NFC Technology-Enabled

NFC Tag Support

- Tag 1: based on ISO 14443 A (96 bytes), e.g. Topaz
- Tag 2: based on ISO 14443 A (48 bytes), e.g. Ultralight
- Tag 3: based on Japanese Industrial Standard, e.g. FeliCa
- Tag 4: based on ISO 14443 A and B, e.g. DESFire

Source: http://www.nfc-forum.org/specs/







Intelligent Support for Combi and Hybrid Cards

• For Combi Card, if it is inserted into the contact card slot, ICC interface will be used and PICC interface will be disabled, as well as PC/SC Polling function for PICCs.

• For Hybrid Card, if it is inserted into the contact card slot, both ICC and PICC interfaces will be used to access the Hybrid card.

Combi card = ONE IC chip is shared by two interfaces Hybrid card = TWO IC chips for two interfaces



Product Features

Upon Request:

Thermal Printer



ACR89U-A2 vs ACR88U-A2

	ACR88U-A2 👝	ACR89U-A2
Processor	8bit , 24Mhz	32bit , 48Mhz
Operating System	Proprietary Scripts	FreeRTOS
Battery	3 x AAA	Rechargeable Li-Ion
Thermal Printer		Optional
LCD	1.9"	2.3"
LED	3	4
Firmware Upgrade	Serial	USB
Contact cards	ISO7816 Class A,B, MCU T=0,T=1, Memory cards	ISO7816 Class A,B,C MCU T=0,T=1, Memory cards
Contactless (Optional)	ISO 14443 Type A&B, Mifare	ISO 14443 Type A&B, Mifare , Felica , NFC tags
Host Interface	USB	USB and Serial





Product Value



Product Benefits



Cost-Effective All in one design with powerful add-ons at the price of one (PIN-Pad + LED + LCD + Contact Support + Contactless Support + Printer + Rechargeable Battery) Customer Convenience Easy to read and use Highly durable and color coded keypad Firmware Upgradeable Thermal Printer Availability

High Security Multiple SAM Slots Dual Smart Card Interface Secure PIN Entry Mutual Authentication

Innovative

Ergonomically designed Long Battery Life (handles up to 200 transactions) CCID and PC/SC Compliance Faster processing time at low cost

NFC-Enabled ACR89U-A2 supports NFC Type 1 to Type 4 tags for different applications.





Product Application

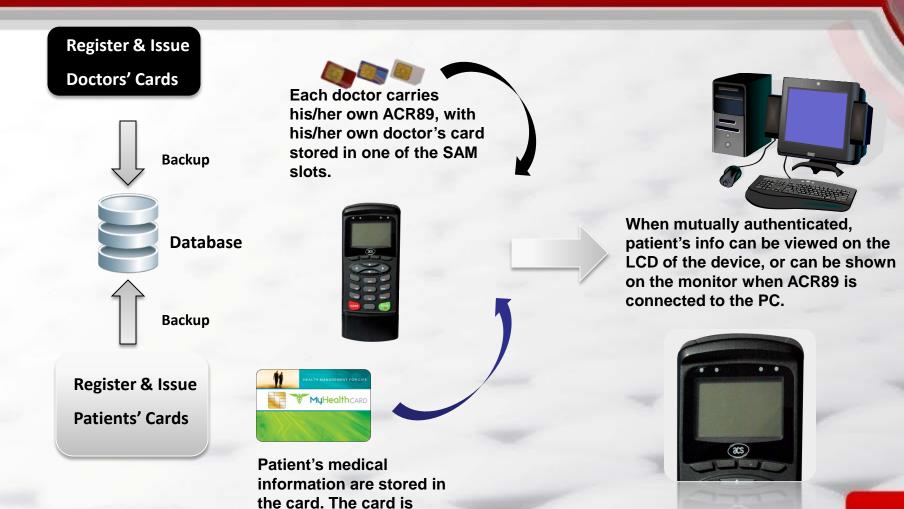


In what areas can we apply ACR89U-A2?





ACR89U-A2 Sample Application



inserted into one of

ACR89's card slots.



Thank You!!!

More information on:

http:acr89.com

