香港工商業獎

2014
HONG KONG
AWARDS FOR
INDUSTRIES

25 YEARS
ANNIVERSARY
二十五周年紀念

HONG KONG 香港

Technological Achievement
科技成就

Enquiry

Hong Kong Science and Technology
Parks Corporation

Tel: (852) 2629 6697
Fax: (852) 2607 4040
Email: christine.hung@hkstp.org

查詢

香港科技園公司

電話：(852) 2629 6697
傳真：(852) 2607 4040
電郵：christine.hung@hkstp.org

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Technological Achievement
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Advanced Card Systems Ltd.
Card & Reader Technologies

Advanced Card Systems Limited
龍傑智能卡有限公司

www.acs.com.hk

Contactless Smart Card Reader Module Technology
非接觸式智能卡讀寫器模塊技術

Advanced Card Systems Limited (ACS) develops a wide range of high-quality smart card reading/writing devices, smart cards and related products and distributes them to over 100 countries worldwide. As a leader in the smart card industry, ACS has the technology, expertise and global resources to facilitate easier adoption of smart card applications in different industries across the globe.

With its background, ACS has developed the contactless smart card reader module based on 13.56MHz RFID, ISO14443 and ISO18092 contactless technology. ACS contactless reader modules are always one of the earliest in the market to be certified with the latest international standards. ACS introduced the first mobile card reader supporting both magnetic cards and contactless cards, the first NFC reader certified by NFC Forum in Greater China, and bus validators accepting both closed-loop and open-loop EMV (Europay, MasterCard and Visa) contactless payment cards on the field.

Contactless smart card reader module technology facilitates secure contactless smart card transactions that are faster than those performed by contact technologies, thereby increasing user convenience. NFC (Near Field Communication), a subset of contactless technology, widens the possibilities for users because it can emulate a card, read or write information, and perform P2P (peer-to-peer) functions, for intuitive interaction not only between traditional cards and readers, but also among mobile phones and/or NFC-enabled devices.

ACS applies NFC technology to develop contactless readers, for applications in both payment and non-payment areas, e.g. access control, customer loyalty, retail payment, automatic fare collection (AFC), and mobile payment.

The reader module platform enables customization based on different customers' needs, and is scalable.

ACS believes its technologies can bring revolutionary changes to the public by enabling simple, convenient, fast and secure transactions.

ACR35 Mobile Card Reader
ACR35 移動設備讀卡器

龍傑智能卡有限公司（ACS）致力於開發一系列優質的智能卡讀寫器、智能卡及其相關產品，產品遠銷至全球一百多個國家。ACS作為智能卡行業的領導者，憑藉先進的技術、專業的知識以及遍布全球的網絡，令智能卡廣泛地應用於不同行業之中。

近年 ACS 研發了基於 13.56MHz RFID、ISO14443 及 ISO18092 技術的非接觸式智能卡讀寫器模塊。 ACS 的非接觸式讀寫器模塊一直是市場上最先通過各項國際新標準認證的產品。我們推出了首款可支持磁條卡及非接觸式卡的移動設備讀卡器，還研發了大中華區首款通過 NFC 論壇認證的 NFC 讀寫器，以及首款接受閉環驗證和開環驗證 EMV (Europay、MasterCard 和 Visa) 非接觸式支付卡的車載機。

非接觸式智能卡讀寫器模塊技術實現了快速並安全的交易模式，能夠提高用戶使用時的便利性。NFC（近場通信）是非接觸式技術的一種應用，它具有三種模式，分別是卡模擬、資訊讀寫以及產品間通信（P2P），為用戶帶來更多的應用可能性，既能促進傳統卡片與讀寫器之間的溝通，也能實現流通電話與 / 或 NFC 設備之間的訊息傳遞。

ACS 利用 NFC 技術開發的非接觸式讀寫器能夠應用在支付及非支付領域，例如訪問控制、客戶積分優惠、零售支付、自動收費（AFC）系統以及移動支付。

ACS 的讀寫器模塊平台可以根據不同的客戶需求進行定制，也可進行擴展。

ACS 相信這個技術必定能實現簡單、方便、快捷和安全的交易模式，為公眾帶來革命性的變革。

ACR1252 NFC Forum Certified Reader
ACR1252NFC 論壇認證讀寫器