



iCarte™ 420 NFC / RFID & Payment Adaptor for iPhone® 4S Product Data Sheet

The iCarte 420 is a Near Field Communication (NFC) / Radio Frequency Identification (RFID) Reader and Payment Adaptor designed for iPhone 4S and iPhone 4 to provide NFC two-way communication, RFID read/write and contactless payment capabilities. NFC and RFID tag information can be written and read by the iCarte and communicated to an iPhone. The iCarte has an embedded smart-chip that can be configured as credit, debit, pre-paid and loyalty cards, for secure contactless transactions. iCarte can also read NFC Smart Posters, download or upload electronic coupons, tickets or receipts. The iCarte is ideal for iPhone users who want to use their iPhone for fast and secure contactless payments, transit payments, loyalty rewards, checking balances, top-up, discovering new services from smart posters or kiosks and exchanging information with other NFC phones. Business iPhone users can use the iCarte for commercial applications such as asset tracking, document tracking, healthcare, security and access control.



Features

Near Field Communication (NFC)

- NFCIP-1 and ISO 18092 compliant
- Peer to peer communication
- Data exchange speed up to 424 kbps

Radio Frequency Identification (RFID)

- ISO 14443A/B compliant
- ISO 15693 compliant
- Supports NXP MIFARE®
- Supports NXP MIFARE DESFire®
- Supports I-CODE® SLI
- Supports Texas Instrument Tag-it™ HF-I
- Read, write and search 13.56 MHz HF RFID tags

Embedded Secure Element

- NFC/Contactless Payment Device
- GlobalPlatform and JavaCard compliant
- SmartCard compliant JCOP OS
- NXP MIFARE® Classic 1K tag emulation

iPhone

- Made for iPhone 4S and iPhone 4
- Charge iPhone and iTunes Sync via micro-USB

Compact and Reliable Snap-On Design

- 123.7 x 61.6 x 13.1 mm (4.87" x 2.43" x 0.52")
- Available in black, white, pink and purple

Read/Write Range

- Up to 4.0 cm (1.5") for NFC
- Up to 5.0 cm (2.0") for ISO 14443A/B
- Up to 6.0 cm (2.5") for ISO 15693
- Range depends on tag configuration, orientation and environment

Low Power Consumption

- 90 mA (typical) RFID Read/Write mode
- 5 mA (typical) Contactless Payment mode

Features and specifications subject to change.

iPhone is a trademark of Apple Inc., registered in the U.S. and other countries.

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