Secure Reader NFC OEM Evaluation kit

The evaluation kit for secure reader NFC OEM is a Contactless Smart Card reader module; compliant with ISO14443, ISO18092 and EMV Level 1 Contactless. Easy to use, plug and play it can be integrated everywhere: vending machines, kiosks, voting machines, ID verification etc. Get contactless banking transaction with high secure level. This evaluation kit can be customized on demand with a display or a touchscreen.

• TYPICAL APPLICATIONS:
  Kiosks / Vending Machines
  POS / Payment Terminal
  Network Security / Secure Log On

  Access control/Logical access
  Healthcare
  Transportation

  IDentity
  Anti-Fraud War

• OPTIONS ON DEMAND:
  Graphic display LCD TFT 3.5” color 320x240
  Touchscreen, output IO, LED, Buzzer
  Secure module and SAM option
  Different size of Antenna
  QR Codes imager
  Development application
  Storage Memory Flash 32Mbytes (up on demand)
  Specific mechanical design
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TECHNICAL SPECIFICATIONS

- Contactless Smart Card Reader
  NFC Read/Write speed up to 848 kbps
  Built-in antenna for contactless tag access, operating distance up to 50 mm
  ISO7816-compliant, SAM slot
  High security level
  Compliant Payment applications

- HOST Interface
  USB 2.0 full speed (USB or external power supply 5V DC, 100mA)
  Others interfaces available : USB Serial CDT, HID, RS232, 232 TTL, I2C, SPI, MDB (Automatic Vending Machine), Bluetooth 4.2

- HOST Operating System
  Windows 98, XP, 2000, Server 2003, x64, Vista, Seven, Windows 8, Linux Kernel 2.6, Android, Mac OS 10.3, G3, G4, G5, and more...

- STANDALONE with customer application
  Software Development Kit, language C, Free RTOS, upgradable.
  Flash Data Application Memory 32Mbytes
  Real Time Clock

MAIN FEATURES / CERTIFICATIONS

Microsoft WHQL
EMV Level 1 contactless v2.6 compliant
ISO14443 AB, ISO15693, ISO7816-4, T=Cl, ISO18092 NFC Forum
Ready for the payment VISA, MASTERCARD, others in option
PC/SC Workgroup CCID v1.1
CE, FCC, RoHS

SECURITY

EMBEDED Secure Element (SE),
Hardware crypto AES, 3DES, SHA, RSA, etc.
Tamper detection, Volatile Key Storage, Memory Protection
Environment Monitoring PCI-SRED, PCI PTS ready.
Secure Bootloader, customer SAM ISO7816, SAM HSP (in option)
Contact Smartcard interface EMVco L1, ISO7816-3,4, SAM HSP (in option)

OTHER FEATURES

Operating Temperature : -10 up to +50°C
Operating Frequency : 13.56 MHz
Supply Voltage : Regulated 5V DC, : 100mA (max)
Dimensions : 82 mm (l) x 72 mm (L) x 10 mm (H)

ABC SMARTCARD develops firmware for contact and contactless smart card readers, as well as connected mobile objects designed to be industrialized by our customers in several types of applications: POS and payment terminals, access control, health, etc.
Our core business is our expertise on products and services security, we develop for your needs, so you can acquire national/international certifications required for your project success.