NRM512

Multi Protocol Reader/Writer Module マルチプロトコル・リーダ　ライタモジュール

- Operation mode : PCD mode, P2P mode
- Protocol : NFC-A/B/F
- Secured : SIM slot for Secure Element
- System I/F : UART, USB [power supplied by USB]
- Antenna : Built in / External
- Advantage : Compact, thin, low-price

Feature　主な特徴
- Compact design [62mm x 45mm x 6mm.] suitable for any embedding system.

- Highly secured

SIM-formed Secure Element enabling cryptographic process applied to PICC authentication.
- Conforming to NFC
- Large data transfer

P2P handler enabling WiFi / Bluetooth handover, and over 2k byte payload can be handled only by NFC P2P.

- Interface

USB for enterprise model and UART for embedded system.

- Voltage-DC+5V
- SDK [Software Development Kit]

You can easily develop NFC system with our SDK.

Product specification　製品仕様
- **The radio law division**: authorized by Ministry of International Affairs and Communications.
- **Reference standard:** ISO/IEC 7816-4, ISO/IEC 14443, ISO/IEC 18092, ISO/IEC 21481
- **Carrier frequency**: 13.56MHz

- **Operating temperature**: -10℃~＋60℃
- **Storage temperature**: -20℃~＋70℃
- External interface: USB 2.0 Full speed/ UART (3.3V)
- SIM : mini-SIM (class A) and class B will available soon
- User Interface: Red and green LED
- **Communication speed:** 9.6kbps.19.2kbps. 115.2kbps. 230.4kbps.460.8kbps USB approved
- **External dimensions:** Standard 62x45x5mm, compact 30x45x5mm
- Length of antenna cable: 100mm
- **Supply voltage:** under DC+5V. 300mA

Application   用途

- Micropayment terminal
- Personal Identification unit for MFP [Multi Function Printer]
- Point-card terminal
- Gate system
- eID terminal
- Smart poster