

# NFC Contactless Card Reader for EMV & ITSO Applications



## Crypto

- 13.56 MHz NFC reader
- EMV, PCI PTS and ITSO certified
- Includes Visa and Mastercard kernels
- API with EMV functionality
- Physical tamper protection
- RS232, USB or SPI connectivity

# Specifications

## PHYSICAL SPECIFICATIONS

Dimensions	70 x 75 x 20 mm (OEM module)
Weight	40 g (OEM module)

## CONTACTLESS SMART CARD INTERFACE

Operating Frequency	13.56 MHz
Chipset	Kinetis K81
EMV Certification	EMV Level 1, EMV Level 2 Mastercard and Visa
Communication Standards	NFC ISO/IEC 18092, ISO/IEC 14443 (Type A & B)
Card Reading Distance	Up to 70mm

## CONTACT INTERFACES

Card Slots	One SAM card slot, one Micro SD card slot
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## CONNECTIVITY

Host Interface	USB CDC, RS232, Serial UART, Slave SPI
Power Supply	5V DC, 7.5-12V DC, USB power supply
Current Consumption	350mA at 5V

## SECURITY

PCI Security	PCI PTS v5.1 certified
Cryptography	DES/3DES, AES, RSA, SHA-1, SHA-256
Physical Security	Tamper protection

## APPLICATION INTERFACE

Supported APIs	G2K API
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## OPERATING CONDITIONS

Operating Temperature	-20 to +80 °C
Non-Operating Temperature	-40 to +85 °C
Operating Humidity	0-95% non-condensing
Meantime Between Failure	500,000 hours

## STANDARDS

Safety / Environmental	CE, UL, RoHS, WEEE
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