



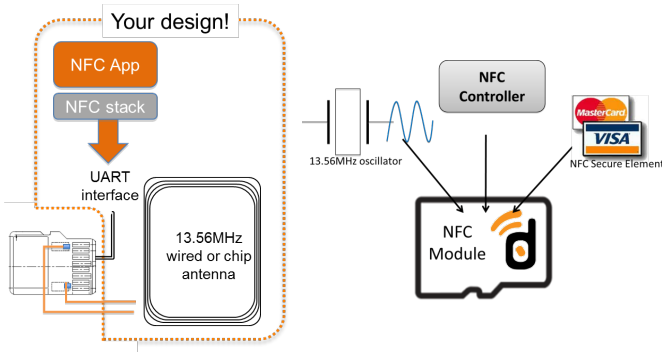
THE MICRO NFC 3.2 MODULE IS A REMOVABLE NFC CONTROLLER AND SECURE ELEMENT IN A SIMPLE STANDARD PACKAGE.

PRODUCT OVERVIEW

The microNFC Module is specifically designed to facilitate the development of NFC devices: The module embeds all needed NFC components to enable all NFC modes (card emulation, reader/writer and peer-to-peer modes). Visas, MasterCard, Amex and Discover have certified and used the microNFC 3.2 on many designs.

The microNFC 3.2 features a simple UART interface to communicate to the embedded NFC elements that is much easier to implement than typical 7816. The microNFC module is built on a microSD form factor that features standard pin 9 and 10 to connect to an external antenna. Yet the microNFC module is not a microSD and isn't compatible with microSD hosts as no user storage is featured onboard.

The microNFC Module also helps reduce costs such as inventory and operation costs as it enables the NFC components to be removable and furthermore to be provided on a needed basis. The microNFC module includes an industry leading second-generation NFC controller, GP2.2 Secure Element and EMI filter/matching circuit for connection to an external antenna.



KEY FEATURES

- Adds full NFC to iPhone 5, 4S, and 4 when used with iPhone sleeve compatible with DeviceFidelity standard
- High level of integration/single package solution
- OTA memory activation/OS patch ability
- Creation of additional security domains and OTA validation
- Support main RF protocols
- Simultaneous multi card management
- Full stack functionality exposed to mobile developer via DeviceFidelity API.
- Field entry/exit detection

KEY BENEFITS

- Support for all released NFC standards
- Small footprint
- Guaranteed interoperability with existing NFC infrastructure
- Certified by the main payment networks.
- Capable of being mass personalized with standard in-line personalization machines and compatible with post issuance standards and TSM
- No special drivers needed

TECHNICAL DATA

Contactless Protocol	Peer-to-peer	Full ISO 18092 (up to 424 kbit/s)
	Reader/Writer	ISO 14443-A, -B, MIFARE FeliCa ¹ , NFC Forum tags, ISO, 15693
	Card Emulation	ISO 14443-A, -B, MIFARE ² , DESFire, FeliCa ¹ , NFC Forum Tags, ISO 15693
Power Characteristics	RF Active Current Reader Mode	60mA
Temperature		-25 to +85C
Physical Dimensions	Width	10mm
	Length	15mm
	Thickness	1mm
Secure Element	Available EEPROM	256KB
	RAM	30KB
	Global Platform	V2.2
	JavaCard	V3.0.1
	OS Certification	CC EAL4+ EMVco Platform
	Certifications	Visa VMPA MasterCard MMPP Amex Discover

¹ Felica available as an option

² MIFARE and DESFire available as an option