

**Near Field Communication (NFC)** technology makes life easier and more convenient for consumers around the world by making it simpler to make transactions, exchange digital content, and connect electronic devices with a touch.

A standards-based connectivity technology, NFC harmonizes today's diverse contactless technologies, enabling current and future solutions in areas such as:



## Key benefits to consumers and businesses:

**Intuitive:** NFC interactions require no more than a simple touch

**Versatile:** NFC is ideally suited to the broadest range of industries, environments, and uses

**Open and standards-based:** Underlying NFC technologies follow universally implemented ISO, ECMA, and ETSI standards

**Technology-enabling:** NFC facilitates fast and simple setup of wireless technologies, such as Bluetooth, Wi-Fi, etc.

**Inherently secure:** NFC transmissions are short range (from a touch to a few centimeters)

**Interoperable:** NFC works with existing contactless card technologies

**Security-ready:** NFC has built-in capabilities to support secure applications

## NFC and Contactless Technologies

NFC complements many popular consumer level wireless technologies, by utilizing the key elements in existing standards for contactless card technology (ISO/IEC 14443 A&B and JIS-X 6319-4). NFC can be compatible with existing contactless card infrastructure and enables a consumer to utilize one device across different systems.

NFC's bidirectional communication ability is ideal for establishing connections with other technologies by the simplicity of touch.

**What does this mean for the end user?** Easy connections, quick transactions, and simple data sharing.



Electro-com's portfolio of NFC products from our industry leading brands and global partners takes the stress out of incorporating NFC technologies into your latest projects.

Whether is it electronic payments, access control, healthcare, transportation, logistics, loyalty programs, ticketing, information exchange, or retail programs the possibilities are limitless with NFC.

## OBID myAXCESS flatOne & addOn



- Supports NFC applications
- EMV Level 1 certification
- Integration in vending and ticket machines, kiosk systems and charging stations
- Contactless ePayment with credit and debit cards
- All major cards are supported (Mastercard, Visa, American Express, Discover)
- Retrofitting (addOn only)



## Tags, labels, cards and wristbands



- Transponders, smartcards, keyfobs, wristbands and adhesive labels for NFC applications
- High performance
- On-metal solutions
- 13.56MHz frequency
- Rugged NFC tag options for harsh environments (IP68)
- Customer specific encoding
- Customisable designs - printing and engraving
- NFC standards compliant

## Texas Instruments IC's



- Supports all popular 13.56MHz air-interfaced-based protocols & standards
- AFE mode for non-standard applications
- Pin-to-pin compatible
- Card emulation (using NFC-A or NFC-B)
- Peer-to-peer communications (using NFC-A or NFC-F)
- Register based device config



## Texas Instruments modules



- NFC target boards
- Evaluation kits
- On-board PCB antenna
- NCLink software for complete testing solutions
- NCI-standard interface to Linux, Android & Windows
- Test NFC transceiver ICs, custom firmware, custom antenna, and potential transponders



## FEIG NFC reader modules



- 13.56MHz read/write modules
- Supports NFC applications
- Integrated antenna
- Low power consumption
- RS232, RS232 TTL, USB, Wiegand, Data/Clock interface
- Transponders: ISO 14443-A/B z.B. MIFARE, MIFARE Ultralight, my-proximity, ISO 15693, I-Code1, NFC



## FEIG NFC readers



- 13.56MHz read/write modules
- Supports NFC applications
- Wall-mounted or desktop
- Indoor and Outdoor use
- RS232, RS232 TTL, USB, Wiegand, Data/Clock interface
- Transponders: ISO 14443-A/B z.B. MIFARE, MIFARE Ultralight, my-proximity, ISO 15693,

