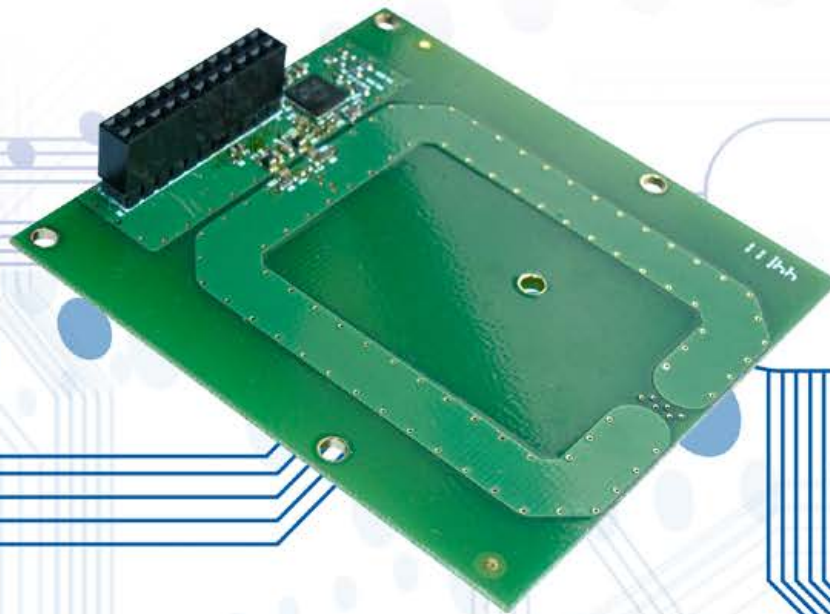


RFID/NFC MODULE FOR COMMUNICATION WITH SMARTPHONES AND ACCESS CONTROL AND LOGISTIC APPLICATIONS



The RFID/NFC module can operate as reader/writer, in card emulation mode and/or in peer-to-peer applications. The module supports MIFARE, FeliCa, ISO/IEC 14443A&B and NFC tags and cards (MIFARE Ultralight, MIFARE DESfire, Jewel, FeliCa and NFC smartphones)móviles NFC).

This device can be used in multiple use cases, e.g. access control systems, logistic applications, mobile payments and P2P applications with smartphones among others.

With a printed antenna optimized for operation at 13.56 MHz, the typical range is approx. 2". The RFID/NFC module communicates over a serial port up to 424 kbps.

Using the software libraries provided by TST, developers have full access to the functionality provided by the RFID/NFC module. Also direct communication using native commands over a serial port is possible.

KEY FEATURES

Contactless RFID/NFC technology

Supports reader/writer, card emulation and P2P operation modes

Compatible with MIFARE, FeliCa, 14443A/B and NFC tags

Simple use with TST driver

ELECTRICAL

Input voltage	2.7-4 VDC
Internal voltage	3.3 VDC
Current RF	70 mA
Current stand-by	12 uA

MECHANICAL

Dimensions	72 x 70 mm
Connectors	22 male pins for TSmoTe/TSgaTe connections

NFC PARAMETERS

Operating frequency	13.56 MHz
Range	80 mm
Serial data rate	Up to 424 kbps

OPERATION MODES

Reader / Writer	ISO/IEC 14443A&B, MIFARE, FeliCa, NFC
Card emulation	ISO 14443A, MIFARE
Peer-to-Peer	ISO/IEC 18092 (active & passive)

SOFTWARE INTERFACE

Communications	TST Software library
	Native commands for UART

ENVIRONMENTAL

Operation temperature	-30°C / +85°C
Storage temperature	-55°C / +150°C
Certifications	CE, RoHS