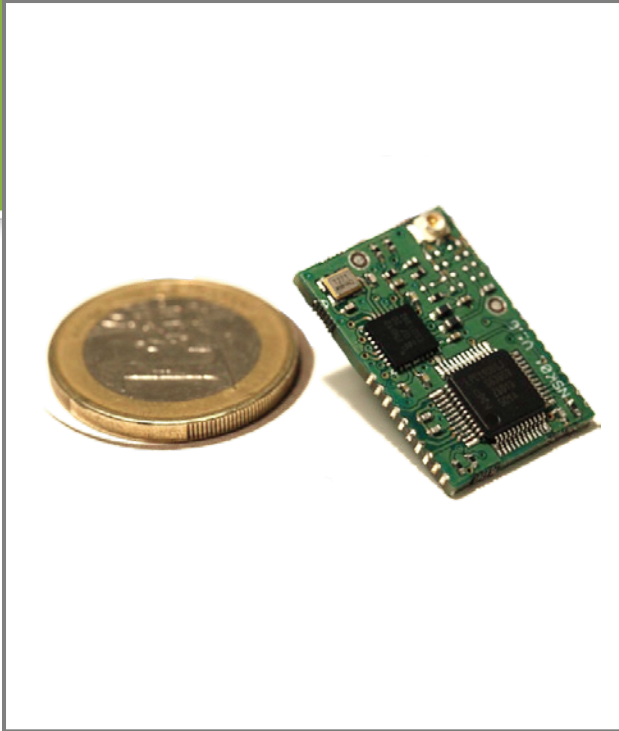


# EFT-NFCMD

NFC Module

REF : 140901



## DESCRIPTION

EFT-NFCMD is production ready NFC module designed to facilitate the integration of 13.56 MHz contactless connectivity in electronics devices.

It is built-in with a full features NFC protocol stack to implement NFC application in only a few steps.

It is optimized for low power consumption and its small form factor makes it easily attachable to any kind of electronic devices.

USB and UART carrier boards with integrated antenna are also available.



## KEY FEATURES

- Built-in full features NFC stack
- Easy integration through AT commands
- ISO 14443-A
- ISO 14443-B
- FeliCa
- MIFARE 1K/4K/DESfire/Ultralight
- SNEP (Simple NDEF Exchange Protocol)
- NDEF (NFC Forum Data Exchange Format)
- Card emulation by the host
- UART, I<sup>2</sup>C or SPI interface
- Operates at 3.3V voltage

## KEY BENEFITS

- Integrate NFC technology in only a few steps
- Drastic reduction of development cost and delay
- Access to highly qualified support team



## TARGETED APPLICATIONS

- Medical devices
- Intelligent building systems
- Domestic appliances
- Industrial equipments

### Contact

For more information, please contact [sales@effinnov.com](mailto:sales@effinnov.com)

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# EFT-NFCMD

NFC Module

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## Technical data are subject to change without notice

General Specifications	Min	Typ	Max	Unit
Operating Temperature	-20	25	70	°C
Storage Temperature	-20	25	70	°C

Electrical Specifications	Min	Typ	Max	Unit
Operating Voltage	2.7	3.3	3.6	V
Operating Current Consumption	--	--	--	mA

Interface	
RS-232	1 200 bit/s to 115.2 kbit/s, 8bits, parity None, 1 stop bit
I <sup>2</sup> C	400 kbit/s max.
SPI	4Mbit/s

RF Specifications	
Frequency	13.56 MHz
Reading distance	Up to 80mm (depending on the antenna)
Antenna	External
Protocol	ISO14443A, ISO14443B, ISO18082, Felica

RF Specifications			
Pin	Interface	Pin	Interface
9,12	VCC	5,4,3,2	RFU
1,10,11,20	GND	13, 14	SCL, SDA
7, 8	UART Rx, UART Tx	16, 17	SPI_SSEL, SPI_SCK
6	RESET	18, 19	SPI_MISO, SPI_MOSI

Mechanical Dimensions	Width	Length	Height
	17 mm	25 mm	4 mm

Ordering Information	
Type Number	Description
EFT-NFCMD	NFC Module

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