

Excelpoint NFC Module Product Specification



General Information

NFC is a set of short-range wireless technologies working at 13.56 Mhz, typically requiring a distance of 4 cm or less, with few kilo bit per second data exchange rate.

Our NFC modules product series are well designed and tuned to working with various NFC mobile devices. The NFC modules come with field signal detection function, which enables proximity application working seamlessly with a Touch-and-Work feature.

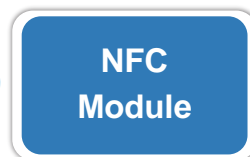
We believe our latest NFC module design will support our customers to have better solution to win the market.

NFC Module Features

- NFC Forum Tag Type 2 compliance
- Operating distance up to 40mm
- Data rate up to 106Kbit/s
- Passive mode (working without battery or power supply)
- Contactless transmission of data
- High data integrity with 16-bit CRC, parity, bit coding and bit counting
- RF field detect for device wake-up enables low-energy design
- NFC Bluetooth fast pairing (seamlessly working with Bluetooth solution)
- Various design available with different size & shape
- Customized shape available

Typical Application

- Bluetooth mono, stereo headset
- Bluetooth speaker
- Bluetooth accessories
- Wi-Fi access point
- Smart Printer
- Smart IP TV
- Smart Power Meter
- Home security



Host System
(Bluetooth, Wi-fi,
TV, Printer etc.)



NFC Module Specification

Item		Description
Compliance & Standard		ISO/IEC 14443A NFC Forum EU RoHS/ELV
Operating Frequency		13.0~16.0MHz
Communication Distance		<40 mm
Operating Temperature / Humidity		0C°~ 80C°
Mounting Type		Adhesive physical placement, or 2-pole 2.54mm pitch wire connection
Wireless Standard	Communication Method	NFC forum NDEF data structure
	Standard Operating Frequency	13.56MHz
	Modulation System	ASK modulation
	Bit Coding	Manchester encoding system
Interface	Communication Method	Analogue pulses
	Interface	Connection via matching circuit
NFC Data	Tag Type Compliant	NFC Forum Type 2 Tag
	Baud Rate	Fast data transfer of 106 Kbit/s
	NVM Memory Size	144 bytes user memory
	Data Format	NDEF
	Security	Read-only locking



Contact



Excelpoint Systems (Pte) Ltd

www.excelpoint.com

Email: sales.enquiry@excelpoint.com.sg

Excelpoint Systems (India) Pvt Ltd

BANGALORE

No. 508, 4th Floor,
Oxford Towers Airport Road,
Bangalore 560008, India
Tel: (91) 80 2529-4847 /
2527-4211
Fax: (91) 80 2529-4846

CHENNAI

Golden Rays No 29A Lake
View Road West Mambalam
Chennai, Tamil Nadu
600033, India
Tel: (91) 44 4551-3176
Fax: (91) 44 4551-3176

HYDERABAD

217 Maruthi Corporate Point,
Swapnalokh Complex, S.D Road,
Secunderabad 500 003 Hyderabad,
Andhra Pradesh, India
Tel: (91) 40 6631-9898 / 6633-6097
Fax: (91) 40 2761-3456

MUMBAI

B-701, Sagartech Plaza, Andheri-
Kurla Road, Sakinaka Junction,
Opp. Chakra Hotel, Andheri (E),
Mumbai 400072, India
Tel: (91) 22 4237-5800 to 5849
Fax: (91) 22 4237-5807

NEW DELHI

No. A216 & A217, 2nd Floor,
Somdutt Chambers-1, 5,
Bhikaji Cama Place, New Delhi
110066, India
Tel: (91) 11 2619-2774 / 75 / 76
Fax: (91) 11 4173-0546

PUNE

8A 3rd Floor Butte Patil
Vertex complex,
Ghole Road, Shivajinagar,
Pune 411005, India
Tel: (91) 20 3022-0894
Fax: NA

Singapore • China • Australia • India • Indonesia • Malaysia • New Zealand • Philippines • Thailand • Vietnam