

# 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.

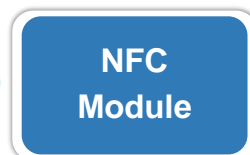
We believe our latest NFC module design will support our customers to have better solution to win the market.

## 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
<b>Compliance &amp; Standard</b>		ISO/IEC 14443A NFC Forum EU RoHS/ELV
<b>Operating Frequency</b>		13.0~16.0MHz
<b>Communication Distance</b>		<40 mm
<b>Operating Temperature / Humidity</b>		0C°~ 80C°
<b>Mounting Type</b>		Adhesive physical placement, or 2-pole 2.54mm pitch wire connection
<b>Wireless Standard</b>	Communication Method	NFC forum NDEF data structure
	Standard Operating Frequency	13.56MHz
	Modulation System	ASK modulation
	Bit Coding	Manchester encoding system
<b>Interface</b>	Communication Method	Analogue pulses
	Interface	Connection via matching circuit
<b>NFC Data</b>	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](http://www.excelpoint.com)

Email: [sales.enquiry@excelpoint.com.sg](mailto: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