

# Global Near Field Communication Market (2018-2023)

<https://marketpublishers.com/r/G3527614209EN.html>

Date: July 2018

Pages: 90

Price: US\$ 2,950.00 (Single User License)

ID: G3527614209EN

## Abstracts

The report is sent in 5-10 business days after order is placed.

### Global Near Field Communication Market

Near Field Communication is a technological innovation that uses magnetic field induction to allow communication between devices to exchange information when they are tapped together, or brought within a few centimetres of each other. According to Netscribes, the global near field communication market is expected to have a significant compounded annual growth rate of 21.30% and reach a market size of USD 23.82 Bn by 2023.

The near field communication (NFC) market is gaining traction due to its broad adoption in smartphones and tablets. NFC is widely used to pair devices like headphones and speakers and to exchange data between smartphones/tablets or other NFC enabled devices. NFC technology is making payments and transactions much more convenient since it enables contactless payments by swiping credit cards and electronic ticket smartcards, instead of inserting and entering pins for card payments.

The market is expected to grow at a strong rate as it has made its way into various fields of applications like retail, transportation, healthcare, etc. Wide adoption in systems like Samsung Pay and Android Pay are expected to make NFC technology a commonplace by creating mass awareness. Also, its recent integration with mobile giant Apple (iOS 11) is expected to help the growth of the market. Not only is NFC being incorporated in consumer electronics like smartphones and televisions, but also in the healthcare sector. Implantable medical devices require high energy efficiency and conservation. NFC technology is suitable for such uses as the NFC reader can activate the tag only when it is necessary and transfer power wirelessly.

Based on the end user industry, the market is segmented into retail, transportation, healthcare and banking and financial services. Among these segments, the retail segment accounted for the most significant share of the market in 2017, as retailers like Burberry, Harvey Nichols, etc., are continuously adopting NFC technology to enhance shopping experiences in brick and mortar stores. Beyond reforming payments, NFC is creating opportunities for retailers to inform and persuade shoppers.

By product type, the global near field communication market is categorized into NFC controller chips, NFC tags, NFC readers, and NFC secure elements. The NFC controller chips are expected to have the highest growth rate owing to its wide adoption in contactless payment systems within various industries.

By mode of operation, the market is segmented into peer to peer, card emulation, and reader/writer segments. The peer to peer segment has the largest market share while the card emulation segment is expected to show the highest growth rate during the forecast period as card emulation mode provides the scope for an NFC enabled mobile device to function as a contactless smart card, and will go on to cater to the raised demand for making cashless transactions smoother in the near future.

By regions, the market is segmented into North America, Europe, Asia-Pacific, Latin America and the Middle East and Africa. Asia-Pacific is projected to grow with the highest CAGR through the forecast period of 2018-2023.

### Key growth factors

The growing proliferation of smartphones across the globe and the demand for smooth and prompt cashless transactions are driving the near field communication market forward. Mobile transactions as a percentage of all retail store transactions have risen manifolds in developed countries over the last few years. The use of smart passes/cards while travelling within the transportation industry is also driving the market forward. Also, the integration of the NFC technology by Apple and Android is expected to create more scope for the development of the market.

NFC technology is less prone to hacking compared to other forms of wireless connectivity solutions like Bluetooth, Wi-Fi, etc., since NFC connections can be enabled only when two devices are brought close to one another, thus, driving the adoption of NFC in companies involved in money transactions.

### Threats and key players

Although the global near field communication market is expected to have significant growth, the biggest challenge to the growth of the market is low awareness among people of many regions about its uses. Also, the high cost of NFC chips often deters its adoption especially by those in developing regions of the world. The rising concern over data security and privacy while using NFC is another significant challenge for the adoption of the technology. The probable data security attacks like eavesdropping, data corruption or modification, interception attacks, and physical thefts are possible while using near field communication technology.

Some of the major players in the global near field communication market are NXP Semiconductors, Broadcom, Gemalto and Inside Secure.

What's covered in the report?

1. Overview of the global near field communication market
2. Historical, current and forecasted market size data for NFC controller chips, NFC tags, NFC readers, NFC secure elements markets
3. Historical, current and forecasted market size data for retail, transportation, medical, banking and financial services markets
4. Historical, current and forecasted market size data for peer to peer, card emulation, reader/writer markets
5. Historical, current and forecasted regional (North America, Europe, Asia Pacific, Latin America, Middle East & Africa) market size data for the near field communication market segmentations (by product - NFC controller chips, NFC tags, NFC readers, NFC secure elements, by end-user industry - retail, transportation, medical, banking and financial services, by mode of operation - peer to peer, card emulation, reader/writer)
6. Market trends in the global near field communication market
7. Qualitative analysis of the key drivers and challenges affecting the global near field communication market and its segmentations (by product - NFC controller chips, NFC tags, NFC readers, NFC secure elements, by end user industry - retail, transportation, medical, banking and financial services, by mode of operation - peer to peer, card emulation, reader/writer)
8. Analysis of the competitive landscape and profiles of major players operating in the market

Why buy?

1. Get a broad understanding of the global near field communication market

2. Get region-specific market size and observations for the global near field communications market and its segmentations (by product - NFC controller chips, NFC tags, NFC readers, NFC secure elements, by end user industry - retail, transportation, medical, banking and financial services, by mode of operation - peer to peer, card emulation, reader/writer)
3. Get specific drivers and challenges for the global near field communications market and its segmentations (by product - NFC controller chips, NFC tags, NFC readers, NFC secure elements, by end user industry - retail, transportation, medical, banking and financial services, by mode of operation - peer to peer, card emulation, reader/writer)
4. Recognize major competitors' business and market dynamics, and respond accordingly

#### Customizations Available

With the given market data, Netscribes offers customizations according to specific needs.

## Contents

### **CHAPTER 1: EXECUTIVE SUMMARY**

- 1.1. Market scope and segmentation
- 1.2. Key questions answered
- 1.3. Executive summary

### **CHAPTER 2: INTRODUCTION**

#### 2.1. Market definitions

- By product (NFC controller chips, NFC tags, NFC readers, NFC secure elements)
- By end user industry (retail, transportation, medical, banking and financial services)
- By mode of operation (peer to peer, card emulation, reader/writer)

### **CHAPTER 3: GLOBAL NEAR FIELD COMMUNICATION MARKET OVERVIEW**

#### 3.1. Global market overview

- Global historical (2015-2017) market size (USD Bn)
- Global forecasted (2018-2023) market size (USD Bn)
- Geography wise market size (USD Bn) in 2017 and 2023
- Key observations

#### 3.2. Global trends

### **CHAPTER 4: GLOBAL NEAR FIELD COMMUNICATION MARKET SEGMENTATION BY REGIONS**

#### 4.1. North America

- Historical (2015-2017) market size (USD Bn)
- Forecasted (2018-2023) market size (USD Bn)
- Drivers
- Challenges
- Trends

#### 4.2. Europe

- Historical (2015-2017) market size (USD Bn)
- Forecasted (2018-2023) market size (USD Bn)
- Drivers
- Challenges
- Trends

#### 4.3. Asia Pacific

Historical (2015-2017) market size (USD Bn)

Forecasted (2018-2023) market size (USD Bn)

Drivers

Challenges

Trends

#### 4.4. Latin America

Historical (2015-2017) market size (USD Bn)

Forecasted (2018-2023) market size (USD Bn)

Drivers

Challenges

Trends

#### 4.5. Middle East and Africa

Historical (2015-2017) market size (USD Bn)

Forecasted (2018-2023) market size (USD Bn)

Drivers

Challenges

Trends

### **CHAPTER 5: GLOBAL NEAR FIELD COMMUNICATION MARKET SEGMENTATION BY PRODUCT**

5.1. Global market share and size (USD Bn – 2017) – by product (NFC controller chips, NFC tags, NFC readers, NFC secure elements)

5.2. Global NFC controller chips market

Market size (USD Bn) (2015, 2018, 2023)

Drivers

Challenges

5.3. Global NFC tags market

Market size (USD Bn) (2015, 2018, 2023)

Drivers

Challenges

5.4. Global NFC readers market

Market size (USD Bn) (2015, 2018, 2023)

Drivers

Challenges

5.5. Global NFC secure elements market

Market size (USD Bn) (2015, 2018, 2023)

Drivers

## Challenges

### **CHAPTER 6: GLOBAL NEAR FIELD COMMUNICATION MARKET SEGMENTATION – BY END-USER INDUSTRY**

6.1. Global market share and size (USD Bn 2017) – by end-user industry (retail, transportation, healthcare, banking and financial services)

6.2. Global retail NFC market

Market size (USD Bn) (2015, 2018, 2023)

Key highlights

6.3. Global transportation NFC market

Market size (USD Bn) (2015, 2018, 2023)

Key highlights

6.4. Global healthcare NFC market

Market size (USD Bn) (2015, 2018, 2023)

Key highlights

6.5. Global banking and financial services NFC market

Market size (USD Bn) (2015, 2017, 2023)

Key highlights

### **CHAPTER 7: GLOBAL NEAR FIELD COMMUNICATION MARKET SEGMENTATION – BY MODE OF OPERATION**

7.1. Global market share and size (USD Bn – 2017) – by mode of operation (peer to peer, card emulation, reader/writer)

7.2. Global peer to peer NFC market

Market size (USD Bn) (2015, 2018, 2023)

Drivers

Challenges

7.3. Global card emulation NFC market

Market size (USD Bn) (2015, 2018, 2023)

Drivers

Challenges

7.4. Global reader/writer NFC market

Market size (USD Bn) (2015, 2018, 2023)

Drivers

Challenges

### **CHAPTER 8: GLOBAL NEAR FIELD COMMUNICATION MARKET BY REGIONS**

### 8.1. North America

By product type (NFC controller chips, NFC tags, NFC readers, NFC secure elements)  
Revenue contribution (USD Bn) and share (historical and forecasted), Key highlights,  
Key competitors

By end user industry (retail, transportation, healthcare, banking and financial services)  
Revenue contribution (USD Bn) and share (historical and forecasted), Key highlights,  
Key competitors

By mode of operation (peer to peer, card emulation, reader/writer) Revenue  
contribution (USD Bn) and share (historical and forecasted), Key highlights, Key  
competitors

### 8.2. Europe

By product type (NFC controller chips, NFC tags, NFC readers, NFC secure elements)  
Revenue contribution (USD Bn) and share (historical and forecasted), Key highlights,  
Key competitors

By end user industry (retail, transportation, healthcare, banking and financial services)  
Revenue contribution (USD Bn) and share (historical and forecasted), Key highlights,  
Key competitors

By mode of operation (peer to peer, card emulation, reader/writer) Revenue  
contribution (USD Bn) and share (historical and forecasted), Key highlights, Key  
competitors

### 8.3. Asia Pacific

By product type (NFC controller chips, NFC tags, NFC readers, NFC secure elements)  
Revenue contribution (USD Bn) and share (historical and forecasted), Key highlights,  
Key competitors

By end user industry (retail, transportation, healthcare, banking and financial services)  
Revenue contribution (USD Bn) and share (historical and forecasted), Key highlights,  
Key competitors

By mode of operation (peer to peer, card emulation, reader/writer) Revenue  
contribution (USD Bn) and share (historical and forecasted), Key highlights, Key  
competitors

### 8.4. Latin America

By product type (NFC controller chips, NFC tags, NFC readers, NFC secure elements)  
Revenue contribution (USD Bn) and share (historical and forecasted), Key highlights,  
Key competitors

By end user industry (retail, transportation, healthcare, banking and financial services)  
Revenue contribution (USD Bn) and share (historical and forecasted), Key highlights,  
Key competitors

By mode of operation (peer to peer, card emulation, reader/writer) Revenue



contribution (USD Bn) and share (historical and forecasted), Key highlights, Key competitors

#### 8.5. Middle East and Africa

By product type (NFC controller chips, NFC tags, NFC readers, NFC secure elements)  
Revenue contribution (USD Bn) and share (historical and forecasted), Key highlights, Key competitors

By end user industry (retail, transportation, healthcare, banking and financial services)  
Revenue contribution (USD Bn) and share (historical and forecasted), Key highlights, Key competitors

By mode of operation (peer to peer, card emulation, reader/writer) Revenue contribution (USD Bn) and share (historical and forecasted), Key highlights, Key competitors

## **CHAPTER 9: COMPETITIVE LANDSCAPE**

### 9.1. Market share of top 5 companies

### 9.2. Company profiles

#### 9.2.1 NXP Semiconductors

Company snapshot

Key numbers

Initiatives

Growth strategy

Major locations

#### 9.2.2. Broadcom

Company snapshot

Key numbers

Initiatives

Growth strategy

Major locations

#### 9.2.3. Gemalto

Company snapshot

Key numbers

Initiatives

Growth strategy

Major locations

#### 9.2.4. Inside Secure

Company snapshot

Key numbers

Initiatives

Growth strategy

Major locations

9.2.5. STMicroelectronics

Company snapshot

Key numbers

Initiatives

Growth strategy

Major locations

## **CHAPTER 10: CONCLUSION**

## **CHAPTER 11: APPENDIX**

11.1. List of tables

11.2. Research methodology

11.3. Assumptions

11.4. About Netscribes Inc.

**Note:** The Table of Contents (ToC) provided above contains the targeted coverage. The coverage is subject to change as we progress with the research

## I would like to order

Product name: Global Near Field Communication Market (2018-2023)

Product link: <https://marketpublishers.com/r/G3527614209EN.html>

Price: US\$ 2,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G3527614209EN.html>