

GLOBAL NARROWBAND IOT MARKET FORECAST 2017-2024

<https://marketpublishers.com/r/G618134F9B6EN.html>

Date: February 2017

Pages: 156

Price: US\$ 2,500.00 (Single User License)

ID: G618134F9B6EN

Abstracts

KEY FINDINGS

The global market for narrowband IOT is anticipated to expand at a CAGR of 70.24% during the forecast period of 2017-2024. Rising internet penetration across the world, increased demand across industrial and commercial applications and technological development are some of the major factors for growth narrowband IOT market. Prices of sensors have started falling down which are a major part of IOT applications and this has also been a major opportunity for the growth of the narrowband IOT market.

MARKET INSIGHTS

The global narrowband IOT market is segmented on the basis of deployment type, by end-user application, by device and geography. The global narrowband IOT market of deployment type is segmented into guard band, in-band, and standalone. The end-user application of narrowband IOT market is further segmented into agriculture, automotive and transportation, automotive building automation, energy, healthcare, infrastructure, manufacturing, retail, safety and security, and other application. The device market of narrowband IOT market is further segmented into alarm detectors, a smart appliance, smart meters, trackers and wearable devices. The global narrowband IOT market by geography is segmented into North America, Europe, Asia-Pacific and rest of the world. Increase in demand for IOT, increasing demand for LPWAN, the requirement for low cost and low power connectivity technology, intelligent network bandwidth management, smart applications and connected devices drive demand for connectivity, and Telco expecting traction of NB-IOT before 5G sets in are some of the major factors for growth of global narrowband IOT. The dispersion of smart connected devices is the major driving factor for the narrowband IOT. In every sector, there is a wide use of smart

connected devices, in the industrial sector, the internet of thing holds widely. Agriculture is also the major benefited sector with the use of smart connected devices having low power consumptions.

REGIONAL INSIGHTS

The Global Narrowband Internet of things market is dominated by North America. Currently, North America holds the colossal market share followed by APAC and Europe in global narrowband IOT market. Exclusive innovations in IOT technology in the region combined with excellent start-up culture and local government investments in these innovations have led to growth in North America narrowband IOT market. Asia pacific is the fastest growing market in the global narrow band internet of things market and expected to overtake other regions in terms of revenue and growth by the year 2024. Currently, China holds the largest market share in APAC market followed by Japan, India, and Australia.

COMPETITIVE INSIGHTS

The major players in the global narrowband IOT market are AT&T, Ericson, Huawei technologies Ltd., Intel Corp., Microsoft Ltd., HP, Qualcomm Inc., Samsung Electronics, Vodafone group PLC., Verizon Communications, CommSolid GmbH, Mistbase AB, Qualcomm Incorporated, T-Mobile International AG, U-blox, Sprint Corporation.

Contents

1. RESEARCH SCOPE

- 1.1. STUDY GOALS
- 1.2. STUDY AND FORECASTING YEARS

2. RESEARCH METHODOLOGY

3. EXECUTIVE SUMMARY

- 3.1. MARKET OVERVIEW
- 3.2. MARKET DEFINITION AND SCOPE
- 3.3. KEY FINDINGS
 - 3.3.1. ASIA PACIFIC (APAC): LUCRATIVE GROWTH OPPORTUNITIES
 - 3.3.2. WEARABLE DEVICES: REVENUE GENERATING SEGMENT

4. MARKET DYNAMICS

- 4.1. MARKET DRIVERS
 - 4.1.1. INCREASE IN DEMAND FOR IOT
 - 4.1.2. INCREASING DEMAND FOR LPWAN
 - 4.1.3. REQUIREMENT FOR LOW COST AND LOW POWER CONNECTIVITY TECHNOLOGY
 - 4.1.4. INTELLIGENT NETWORK BANDWIDTH MANAGEMENT
 - 4.1.5. SMART APPLICATIONS AND CONNECTED DEVICES DRIVE DEMAND FOR CONNECTIVITY
 - 4.1.6. TELCO EXPECTING TRACTION OF NB-IOT BEFORE 5G SETS IN
- 4.2. MARKET RESTRAINTS
 - 4.2.1. LOW DATA TRANSMISSION SPEED
 - 4.2.2. SECURITY AND PRIVACY CONCERNS
- 4.3. MARKET OPPORTUNITIES
 - 4.3.1. RISING ACCEPTANCE OF SMART TECHNOLOGY
 - 4.3.2. DEVELOPMENT OF LPWA BASED DEVICES
 - 4.3.3. GOVERNMENTS WORLD OVERDEVELOPING SMART CITIES
 - 4.3.4. USED ACROSS TECHNOLOGIES
- 4.4. MARKET CHALLENGES
 - 4.4.1. LONG TAIL ECOSYSTEM CONTAINING MODULE, APPLICATION PLATFORM, AND DEVICE

4.4.2. FRAGMENTED DEVELOPMENT OF IOT AND INTEROPERABILITY ISSUES

5. MARKET SEGMENTATION

5.1. BY DEPLOYMENT TYPE

5.1.1. GUARD BAND

5.1.2. IN-BAND

5.1.3. STANDALONE

5.2. BY END-USER APPLICATION

5.2.1. AGRICULTURE

5.2.2. AUTOMOTIVE & TRANSPORTATION

5.2.3. BUILDING AUTOMATION

5.2.4. ENERGY

5.2.5. HEALTHCARE

5.2.6. INFRASTRUCTURE

5.2.7. MANUFACTURING

5.2.8. RETAIL

5.2.9. SAFETY & SECURITY

5.2.10. OTHER APPLICATION

5.3. BY DEVICES

5.3.1. ALARMS & DETECTORS

5.3.2. SMART APPLIANCES

5.3.3. SMART METERS

5.3.4. TRACKERS

5.3.5. WEARABLE DEVICES

5.3.6. OTHERS

6. KEY ANALYTICS

6.1. PARAMETRIC ANALYSIS

6.1.1. NUMBER OF CONNECTED DEVICES WORLDWIDE

6.1.2. IOT ENABLED SENSORS MARKET

6.1.3. LPWA TECHNOLOGY

6.2. PORTER'S FIVE FORCE MODEL

6.3. KEY BUYING CRITERIA

6.3.1. APPLICATION

6.3.2. COST EFFECTIVENESS

6.3.3. TECHNOLOGICAL ADVANCEMENTS

6.4. KEY MARKET INSIGHTS

- 6.4.1. TOP 3 EMERGING COUNTRIES
- 6.4.2. TOP REVENUE GENERATING SEGMENTS
- 6.4.3. TOP GROWING MARKETS AND EMERGING TRENDS
- 6.5. STRATEGIC RECOMMENDATION
- 6.6. STRATEGIC CONCLUSIONS

7. GEOGRAPHIC ANALYSIS

- 7.1. NORTH AMERICA GLOBAL NARROW-BAND IOT MARKET
 - 7.1.1. UNITED STATES
 - 7.1.2. CANADA
 - 7.1.3. MEXICO
- 7.2. ASIA PACIFIC
 - 7.2.1. JAPAN
 - 7.2.2. CHINA
 - 7.2.3. INDIA
 - 7.2.4. AUSTRALIA
 - 7.2.5. REST OF ASIA-PACIFIC
- 7.3. EUROPE
 - 7.3.1. UK
 - 7.3.2. GERMANY
 - 7.3.3. SPAIN
 - 7.3.4. ITALY
 - 7.3.5. REST OF EUROPE
- 7.4. REST OF WORLD
 - 7.4.1. LATIN AMERICA
 - 7.4.2. MENA
 - 7.4.3. AFRICA

8. COMPETITIVE LANDSCAPE

- 8.1. MARKET SHARE ANALYSIS
- 8.2. TOP WINNING STRATEGIES
- 8.3. CASE STUDIES: TOP COMPETITIVE MOVES
- 8.4. COMPANY PROFILE
 - 8.4.1. AT & T
 - 8.4.2. COMMSOLID GMBH
 - 8.4.3. ERICSSON
 - 8.4.4. HUAWEI TECHNOLOGIES CO. LTD

- 8.4.5. INTEL CORPORATION
- 8.4.6. MICROSOFT
- 8.4.7. MISTBASE AB
- 8.4.8. QUALCOMM INCORPORATED
- 8.4.9. SAMSUNG ELECTRONICS
- 8.4.10. SPRINT CORPORATION
- 8.4.11. T-MOBILE
- 8.4.12. U-BLOX HOLDING AG
- 8.4.13. VERIZON COMMUNICATIONS
- 8.4.14. VODAFONE

List Of Tables

LIST OF TABLES

TABLE 1 GLOBAL NARROWBAND IOT MARKET BY REGION 2017-2024 (\$ MILLION)

TABLE 2 COMPARISON OF NARROW BAND IOT WITH 3GPP

TABLE 3 GLOBAL NARROW BAND IOT CHIPSET MARKET BY DEPLOYMENT TYPE
2017-2024 (\$ MILLION)

TABLE 4 GLOBAL GUARD BAND MARKET BY GEOGRAPHY 2017-2024 (\$ MILLION)

TABLE 5 ALLOWED LTE DIRECTORIES FOR CONNECTION IN-BAND NARROW
BAND IOT

TABLE 6 GLOBAL IN BAND MARKET BY GEOGRAPHY 2017-2024 (\$ MILLION)

TABLE 7 STANDALONE DEVELOPMENT BOARDS AND KITS IN THE MARKET

TABLE 8 GLOBAL STANDALONE MARKET BY GEOGRAPHY 2017-2024 (\$ MILLION)

TABLE 9 GLOBAL NARROWBAND IOT MARKET BY END-USER APPLICATION
2017-2024 (\$ MILLION)

TABLE 10 GLOBAL AGRICULTURE APPLICATION OF NARROWBAND IOT BY
REGION 2017-2024 (\$ MILLION)

TABLE 11 GLOBAL AUTOMOTIVE & TRANSPORTATION APPLICATION OF
NARROWBAND IOT BY REGION 2017-2024 (\$ MILLION)

TABLE 12 GLOBAL BUILDING AUTOMATION APPLICATION OF NARROWBAND IOT
BY REGION 2017-2024 (\$ MILLION)

TABLE 13 GLOBAL ENERGY APPLICATION OF NARROWBAND IOT BY REGION
2017-2024 (\$ MILLION)

TABLE 14 GLOBAL HEALTHCARE APPLICATION OF NARROWBAND IOT BY
REGION 2017-2024 (\$ MILLION)

TABLE 15 GLOBAL INFRASTRUCTURE APPLICATION OF NARROWBAND IOT BY
REGION 2017-2024 (\$ MILLION)

TABLE 16 GLOBAL MANUFACTURING APPLICATION OF NARROWBAND IOT BY
REGION 2017-2024 (\$ MILLION)

TABLE 17 GLOBAL RETAIL APPLICATION OF NARROWBAND IOT BY REGION
2017-2024 (\$ MILLION)

TABLE 18 GLOBAL SAFETY AND SECURITY APPLICATION OF NARROWBAND IOT
BY REGION 2017-2024 (\$ MILLION)

TABLE 19 GLOBAL OTHER APPLICATION OF NARROWBAND IOT BY REGION
2017-2024 (\$ MILLION)

TABLE 20 GLOBAL NARROWBAND IOT MARKET BY DEVICES 2017-2024 (\$
MILLION)

TABLE 21 GLOBAL ALARM AND DETECTORS OF NARROWBAND IOT BY REGION

2017-2024 (\$ MILLION)

TABLE 22 GLOBAL SMART APPLIANCES OF NARROWBAND IOT BY REGION

2017-2024 (\$ MILLION)

TABLE 23 GLOBAL SMART-METERS APPLICATION OF NARROWBAND IOT BY
REGION 2017-2024 (\$ MILLION)

TABLE 24 GLOBAL TRACKER DEVICES OF NARROWBAND IOT BY REGION
2017-2024 (\$ MILLION)

TABLE 25 GLOBAL WEARABLE DEVICES OF NARROWBAND IOT BY REGION
2017-2024 (\$ MILLION)

TABLE 26 GLOBAL OTHER DEVICES OF NARROWBAND IOT BY REGION
2017-2024 (\$ MILLION)

TABLE 27 IMPACT OF LPWA

TABLE 28 NORTH AMERICA NARROW-BAND IOT MARKET BY COUNTRIES
2017-2024 (\$ MILLION)

TABLE 29 ASIA PACIFIC NARROW-BAND IOT MARKET BY COUNTRIES 2017-2024
(\$ MILLION)

TABLE 30 EUROPE NARROW-BAND IOT MARKET BY COUNTRIES 2017-2024 (\$
MILLION)

TABLE 31 GOVERNMENT REGULATION IN UK

TABLE 32 REST OF WORLD NARROW-BAND IOT MARKET BY COUNTRIES
2017-2024 (\$ MILLION)

List Of Figures

LIST OF FIGURES

FIGURE 1 GLOBAL NARROWBAND IOT MARKET BY END USER 2016 AND 2024(%)

FIGURE 2 NB-IOT MARKET BY DEVICES 2016 & 2024 (\$ MILLION)

FIGURE 3 GLOBAL IOT MARKET 2016-2023 (\$ BILLION)

FIGURE 4 FALLING COST OF SENSORS FROM 2010 TO 2024

FIGURE 5 REGIONAL BREAKUP OF SMART CITIES MARKET 2016 AND 2024 (%)

FIGURE 6 GLOBAL NARROW BAND IOT CHIPSET MARKET BY GUARD BAND TYPE 2017-2024 (\$ MILLION)

FIGURE 7 GLOBAL NARROW BAND IOT CHIPSET MARKET BY IN BAND TYPE 2017-2024 (\$ MILLION)

FIGURE 8 GLOBAL NARROW BAND IOT CHIPSET MARKET BY STANDALONE 2017-2024 (\$ MILLION)

FIGURE 9 GLOBAL IOT DEPLOYMENT BY END-USER INDUSTRY (2015)

FIGURE 10 GLOBAL NARROW BAND END USER BY, REGION (2015)

FIGURE 11 GLOBAL NARROWBAND IOT MARKET BY AGRICULTURE APPLICATION 2017-2024(\$ MILLION)

FIGURE 12 GLOBAL NARROWBAND IOT MARKET BY AUTOMOTIVE AND TRANSPORTATION APPLICATION 2017-2024(\$ MILLION)

FIGURE 13 MARKET SHARE OF BIOT CONTRACT 2014 & 2020 (%)

FIGURE 14 GLOBAL NARROWBAND IOT MARKET BY BUILDING AUTOMATION APPLICATION 2017-2024(\$ MILLION)

FIGURE 15 GLOBAL NARROWBAND IOT MARKET BY ENERGY APPLICATION 2017-2024 (\$ MILLION)

FIGURE 16 KEY ADVANTAGES OF IOT IN HEALTHCARE INDUSTRY

FIGURE 17 GLOBAL NARROWBAND IOT MARKET BY HEALTHCARE APPLICATION 2017-2024 (\$ MILLION)

FIGURE 18 GLOBAL NARROWBAND IOT MARKET BY INFRASTRUCTURE APPLICATION 2017-2024 (\$ MILLION)

FIGURE 19 GLOBAL NARROWBAND IOT MARKET BY MANUFACTURING APPLICATION 2017-2024(\$ MILLION)

FIGURE 20 U.S. SCENARIOS OF SMART MANUFACTURING AND OPERATIONS 2015 (%)

FIGURE 21 ESTIMATED IMPACT OF IOT IN RETAIL BUSINESS IN NEXT 5 YEARS (% PERCENTAGE)

FIGURE 22 GLOBAL NARROWBAND IOT MARKET BY RETAIL APPLICATION 2017-2024(\$ MILLION)

FIGURE 23 GLOBAL NARROWBAND IOT MARKET BY SAFETY AND SECURITY APPLICATION 2017-2024(\$ MILLION)

FIGURE 24 GLOBAL NARROWBAND IOT MARKET BY OTHER APPLICATION 2017-2024(\$ MILLION)

FIGURE 25 GLOBAL NARROW BAND IOT MARKET BY DEVICES (2016)

FIGURE 26 GLOBAL NARROWBAND IOT MARKET BY ALARM & DETECTORS 2017-2024(\$ MILLION)

FIGURE 27 SHARE OF SMART CONNECTED MAJOR HOME APPLIANCES SHIPMENT BY REGION 2014-2020 (%)

FIGURE 28 GLOBAL NARROWBAND IOT MARKET BY SMART APPLIANCES 2017-2024(\$ MILLION)

FIGURE 29 GLOBAL SMART METER MARKET 2017-2024 (\$ BILLION)

FIGURE 30 GLOBAL NARROWBAND IOT MARKET BY SMART METERS 2017-2024(\$ MILLION)

FIGURE 31 GLOBAL NARROWBAND IOT MARKET BY TRACKERS 2017-2024(\$ MILLION)

FIGURE 32 FORECAST UNIT SALES OF WEARABLE DEVICES GLOBALLY 2014-2016 (MILION)

FIGURE 33 GLOBAL NARROWBAND IOT MARKET BY WEARABLE DEVICES 2017-2024(\$ MILLION)

FIGURE 34 GLOBAL NARROWBAND IOT MARKET BY OTHER DEVICES 2017-2024(\$ MILLION)

FIGURE 35 GROWTHS IN NUMBER OF IOT DEVICES 2017-2024 (BILLION UNITS)

FIGURE 36 IOT SENSORS SHIPMENT 2017-2024 (BILLION)

FIGURE 37 GLOBAL MIGRATIONS TOWARDS LPWA COMMUNICATION TECHNOLOGY 2015-2022

FIGURE 38 PORTER'S FIVE FORCE MODEL IN ELECTRONIC ENCLOSURES MARKET

FIGURE 39 TOP EMERGING COUNTRIES 2017-2024 (\$ MILLION)

FIGURE 40 TOP REVENUE GENERATING SEGMENTS 2017-2024 (\$ MILLION)

FIGURE 41 INVESTMENT PROPOSITION, BY SEGMENTS IN NARROWBAND IOT MARKET (2016)

FIGURE 42 GLOBAL SMART CITIES MARKET SHARE BY REGION 2015

FIGURE 43 M2M COMMUNICATION TECHNOLOGY MARKET 2017-2024 (\$ MILLION)

FIGURE 44 SMART METERS INSTALLED, BY US ELECTRIC UTILITIES, IN 2015

FIGURE 45 US NARROW-BAND INTERNET OF THINGS MARKET 2017-2024 (\$ MILLION)

FIGURE 46 CANADA NARROW-BAND INTERNET OF THINGS MARKET 2017-2024

(\$ MILLIONS)

FIGURE 47 MEXICO NARROW-BAND IOT MARKET 2017-2024 (\$ MILLION)

FIGURE 48 ASIA PACIFIC CLOUD MANAGEMENT TECHNOLOGY MARKET
2017-2024(\$ MILLION)

FIGURE 49 AVERAGE SENSOR COST 2010-2024 (\$)

FIGURE 50 SMART HOME TECHNOLOGY MARKET IN JAPAN 2017-2024 (\$
MILLION)

FIGURE 51 JAPAN NARROW-BAND IOT MARKET 2017-2024 (\$ MILLION)

FIGURE 52 CHINA NARROW-BAND IOT MARKET 2017-2024 (\$ MILLION)

FIGURE 53 INTERNET PENETRATION IN INDIA 2009-2022 (\$ MILLION)

FIGURE 54 INDIA NARROW-BAND IOT MARKET 2017-2024 (\$ MILLION)

FIGURE 55 AUSTRALIA NARROW-BAND IOT MARKET 2017-2024 (\$ MILLION)

FIGURE 56 REST OF ASIA-PACIFIC NARROW-BAND IOT MARKET 2017-2024 (\$
MILLION)

FIGURE 57 EUROPE RFID MARKET 2017-2024 (\$ BILLION)

FIGURE 58 GLOBAL BUILDING AUTOMATION AND CONTROL SYSTEM MARKET
BY REGION, 2015

FIGURE 59 UK NARROW-BAND IOT MARKET 2017-2024 (\$ MILLION)

FIGURE 60 SMART HOME TECHNOLOGY MARKET EUROPE, 2015

FIGURE 61 GERMANY NARROW-BAND IOT MARKET 2017-2024 (\$ MILLION)

FIGURE 62 INTERNET PENETRATION RATE IN SPAIN, 2014-2017

FIGURE 63 SPAIN NARROW-BAND IOT MARKET 2017-2024 (\$ MILLION)

FIGURE 64 ITALY NARROW-BAND IOT MARKET 2017-2024 (\$ MILLION)

FIGURE 65 REST OF EUROPE NARROW-BAND IOT MARKET 2017-2024 (\$
MILLION)

FIGURE 66 LATIN AMERICA NARROW-BAND IOT MARKET 2017-2024 (\$ MILLION)

FIGURE 67 MENA NARROW-BAND IOT MARKET 2017-2024 (\$ MILLION)

FIGURE 68 AFRICA NARROW-BAND IOT MARKET 2017-2024 (\$ MILLION)

FIGURE 69 MARKET SHARE ANALYSIS OF GLOBAL NARROW BAND IOT MARKET
(2016)

FIGURE 70 MARKET SHARE OF IOT COMPANIES IN TERMS OF REVENUE, 2015

I would like to order

Product name: GLOBAL NARROWBAND IOT MARKET FORECAST 2017-2024

Product link: <https://marketpublishers.com/r/G618134F9B6EN.html>

Price: US\$ 2,500.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G618134F9B6EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970