

Global PLLs and Synthesizers Market Research Report 2016

<https://marketpublishers.com/r/GC20DC2FAFBEN.html>

Date: December 2016

Pages: 129

Price: US\$ 2,999.00 (Single User License)

ID: GC20DC2FAFBEN

Abstracts

This report studies PLLs and Synthesizers in Global market, especially in North America, Europe, China, Japan, Taiwan and India, focuses on top manufacturers in global market, with capacity, production, price, revenue and market share for each manufacturer, covering

NXP Semiconductors

Texas Instruments

Analog Devices

National Semiconductor.

Sanyo Semicon Device

TEMIC Semiconductors

Nippon Precision Circuits Inc

Motorola, Inc

Fujitsu Component Limited.

Vectron International, Inc

Maxim Integrated Products

Integrated Circuit Systems

Freescale Semiconductor, Inc

Panasonic Semiconductor

CRYSTEK CORPORATION

Advanced Semiconductor Business Inc.

Pericom Semiconductor Corporation

Peregrine Semiconductor

Siemens Semiconductor Group

ON Semiconductor

Market Segment by Regions, this report splits Global into several key Regions, with production, consumption, revenue, market share and growth rate of PLLs and Synthesizers in these regions, from 2011 to 2021 (forecast), like

North America

China

Europe

Japan

Taiwan

India

Row

Split by Product Types, with production, revenue, price, market share and growth rate of each type, can be divided into

Fractional-N PLLs

Integer-N PLLs

PLLs with Integrated VCOs

Split by applications, this report focuses on consumption, market share and growth rate of PLLs and Synthesizers in each application, can be divided into

Communication Devices

Wireless Infrastructure

Test and Measurement Devices

Space& Avionics

Military

Contents

Global PLLs and Synthesizers Market Research Report 2016

1 PLLS AND SYNTHESIZERS MARKET OVERVIEW

- 1.1 Product Overview and Scope of PLLs and Synthesizers
- 1.2 PLLs and Synthesizers Segment by Types
 - 1.2.1 Global Production Market Share of PLLs and Synthesizers by Types in 2015
 - 1.2.2 Fractional-N PLLs
 - 1.2.3 Integer-N PLLs
 - 1.2.4 PLLs with Integrated VCOs
- 1.3 PLLs and Synthesizers Segment by Applications
 - 1.3.1 PLLs and Synthesizers Consumption Market Share by Applications in 2015
 - 1.3.2 Communication Devices
 - 1.3.3 Wireless Infrastructure
 - 1.3.4 Test and Measurement Devices
 - 1.3.5 Space & Avionics
 - 1.3.6 Military
- 1.4 PLLs and Synthesizers Market by Regions
 - 1.4.1 North America Status and Prospect (2011-2021)
 - 1.4.2 China Status and Prospect (2011-2021)
 - 1.4.3 Europe Status and Prospect (2011-2021)
 - 1.4.4 Japan Status and Prospect (2011-2021)
 - 1.4.5 Taiwan Status and Prospect (2011-2021)
 - 1.4.6 India Status and Prospect (2011-2021)
 - 1.4.7 Row Status and Prospect (2011-2021)
- 1.5 Global Market Size (Value) of PLLs and Synthesizers (2011-2021)

2 GLOBAL PLLS AND SYNTHESIZERS MARKET COMPETITION BY MANUFACTURERS

- 2.1 Global PLLs and Synthesizers Capacity, Production and Share by Manufacturers (2015 and 2016)
- 2.2 Global PLLs and Synthesizers Revenue and Share by Manufacturers (2015 and 2016)
- 2.3 Global PLLs and Synthesizers Average Price by Manufacturers (2015 and 2016)
- 2.4 Manufacturers PLLs and Synthesizers Manufacturing Base Distribution, Sales Area, Product Types

2.5 PLLs and Synthesizers Market Competitive Situation and Trends

2.5.1 PLLs and Synthesizers Market Concentration Rate

2.5.2 PLLs and Synthesizers Market Share of Top 3 and Top 5 Manufacturers

2.5.3 Mergers & Acquisitions, Expansion

3 GLOBAL PLLS AND SYNTHESIZERS CAPACITY, PRODUCTION, REVENUE (VALUE) BY REGIONS (2011-2016)

3.1 Global PLLs and Synthesizers Capacity and Market Share by Regions (2011-2016)

3.2 Global PLLs and Synthesizers Production and Market Share by Regions (2011-2016)

3.3 Global PLLs and Synthesizers Revenue (Value) and Market Share by Regions (2011-2016)

3.4 Global PLLs and Synthesizers Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

3.5 North America PLLs and Synthesizers Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

3.6 Europe PLLs and Synthesizers Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

3.7 China PLLs and Synthesizers Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

3.8 Japan PLLs and Synthesizers Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

3.9 Taiwan PLLs and Synthesizers Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

3.10 India PLLs and Synthesizers Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

3.11 Row PLLs and Synthesizers Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

4 GLOBAL PLLS AND SYNTHESIZERS SUPPLY (PRODUCTION), CONSUMPTION, EXPORT, IMPORT BY REGIONS (2011-2016)

4.1 Global PLLs and Synthesizers Consumption by Regions (2011-2016)

4.2 North America PLLs and Synthesizers Production, Consumption, Export, Import by Regions (2011-2016)

4.3 Europe PLLs and Synthesizers Production, Consumption, Export, Import by Regions (2011-2016)

4.4 China PLLs and Synthesizers Production, Consumption, Export, Import by Regions

(2011-2016)

4.5 Japan PLLs and Synthesizers Production, Consumption, Export, Import by Regions (2011-2016)

4.6 Taiwan PLLs and Synthesizers Production, Consumption, Export, Import by Regions (2011-2016)

4.7 India PLLs and Synthesizers Production, Consumption, Export, Import by Regions (2011-2016)

4.8 Row PLLs and Synthesizers Production, Consumption, Export, Import by Regions (2011-2016)

5 GLOBAL PLLS AND SYNTHESIZERS PRODUCTION, REVENUE (VALUE), PRICE TREND BY TYPES

5.1 Global PLLs and Synthesizers Production and Market Share by Types (2011-2016)

5.2 Global PLLs and Synthesizers Revenue and Market Share by Types (2011-2016)

5.3 Global PLLs and Synthesizers Price by Type (2011-2016)

5.4 Global PLLs and Synthesizers Production Growth by Type (2011-2016)

6 GLOBAL PLLS AND SYNTHESIZERS MARKET ANALYSIS BY APPLICATIONS

6.1 Global PLLs and Synthesizers Consumption and Market Share by Applications (2011-2016)

6.2 Global PLLs and Synthesizers Consumption Growth Rate by Applications (2011-2016)

6.3 Market Drivers and Opportunities

6.3.1 Potential Applications

6.3.2 Emerging Markets/Countries

7 GLOBAL PLLS AND SYNTHESIZERS MANUFACTURERS PROFILES/ANALYSIS

7.1 NXP Semiconductors

7.1.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors

7.1.2 PLLs and Synthesizers Product Types, Application and Specification

7.1.2.1 Type one

7.1.2.2 Type two

7.1.3 NXP Semiconductors PLLs and Synthesizers Capacity, Production, Revenue, Price and Gross Margin (2015 and 2016)

7.2 Texas Instruments

7.2.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors

7.2.2 PLLs and Synthesizers Product Types, Application and Specification

7.2.2.1 Type one

7.2.2.2 Type two

7.2.3 Texas Instruments PLLs and Synthesizers Capacity, Production, Revenue, Price and Gross Margin (2015 and 2016)

7.3 Analog Devices

7.3.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors

7.3.2 PLLs and Synthesizers Product Types, Application and Specification

7.3.2.1 Type one

7.3.2.2 Type two

7.3.3 Analog Devices PLLs and Synthesizers Capacity, Production, Revenue, Price and Gross Margin (2015 and 2016)

7.4 National Semiconductor.

7.4.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors

7.4.2 PLLs and Synthesizers Product Types, Application and Specification

7.4.2.1 Type one

7.4.2.2 Type two

7.4.3 National Semiconductor. PLLs and Synthesizers Capacity, Production, Revenue, Price and Gross Margin (2015 and 2016)

7.5 Sanyo Semicon Device

7.5.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors

7.5.2 PLLs and Synthesizers Product Types, Application and Specification

7.5.2.1 Type one

7.5.2.2 Type two

7.5.3 Sanyo Semicon Device PLLs and Synthesizers Capacity, Production, Revenue, Price and Gross Margin (2015 and 2016)

7.6 TEMIC Semiconductors

7.6.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors

7.6.2 PLLs and Synthesizers Product Types, Application and Specification

7.6.2.1 Type one

7.6.2.2 Type two

7.6.3 TEMIC Semiconductors PLLs and Synthesizers Capacity, Production, Revenue, Price and Gross Margin (2015 and 2016)

7.7 Nippon Precision Circuits Inc

7.7.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors

7.7.2 PLLs and Synthesizers Product Types, Application and Specification

7.7.2.1 Type one

7.7.2.2 Type two

7.7.3 Nippon Precision Circuits Inc PLLs and Synthesizers Capacity, Production, Revenue, Price and Gross Margin (2015 and 2016)

7.8 Motorola, Inc

7.8.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors

7.8.2 PLLs and Synthesizers Product Types, Application and Specification

7.8.2.1 Type one

7.8.2.2 Type two

7.8.3 Motorola, Inc PLLs and Synthesizers Capacity, Production, Revenue, Price and Gross Margin (2015 and 2016)

7.9 Fujitsu Component Limited.

7.9.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors

7.9.2 PLLs and Synthesizers Product Types, Application and Specification

7.9.2.1 Type one

7.9.2.2 Type two

7.9.3 Fujitsu Component Limited. PLLs and Synthesizers Capacity, Production, Revenue, Price and Gross Margin (2015 and 2016)

7.10 Vectron International, Inc

7.10.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors

7.10.2 PLLs and Synthesizers Product Types, Application and Specification

7.10.2.1 Type one

7.10.2.2 Type two

7.10.3 Vectron International, Inc PLLs and Synthesizers Capacity, Production, Revenue, Price and Gross Margin (2015 and 2016)

7.11 Maxim Integrated Products

7.12 Integrated Circuit Systems

7.13 Freescale Semiconductor, Inc

7.14 Panasonic Semiconductor

7.15 CRYSTEK CORPORATION

7.16 Advanced Semiconductor Business Inc.

7.17 Pericom Semiconductor Corporation

- 7.18 Peregrine Semiconductor
- 7.19 Siemens Semiconductor Group
- 7.20 ON Semiconductor

8 PLLS AND SYNTHESIZERS MANUFACTURING COST ANALYSIS

- 8.1 PLLs and Synthesizers Key Raw Materials Analysis
 - 8.1.1 Key Raw Materials
 - 8.1.2 Price Trend of Key Raw Materials
 - 8.1.3 Key Suppliers of Raw Materials
 - 8.1.4 Market Concentration Rate of Raw Materials
- 8.2 Proportion of Manufacturing Cost Structure
 - 8.2.1 Raw Materials
 - 8.2.2 Labor Cost
 - 8.2.3 Manufacturing Expenses
- 8.3 Manufacturing Process Analysis of PLLs and Synthesizers

9 WIRELESS INFRASTRUCTURE CHAIN, SOURCING STRATEGY AND DOWNSTREAM BUYERS

- 9.1 PLLs and Synthesizers Wireless Infrastructure Chain Analysis
- 9.2 Upstream Raw Materials Sourcing
- 9.3 Raw Materials Sources of PLLs and Synthesizers Major Manufacturers in 2015
- 9.4 Downstream Buyers

10 MARKETING STRATEGY ANALYSIS, DISTRIBUTORS/TRADERS

- 10.1 Marketing Channel
 - 10.1.1 Direct Marketing
 - 10.1.2 Indirect Marketing
 - 10.1.3 Marketing Channel Development Trend
- 10.2 Market Positioning
 - 10.2.1 Pricing Strategy
 - 10.2.2 Brand Strategy
 - 10.2.3 Target Client
- 10.3 Distributors/Traders List

11 MARKET EFFECT FACTORS ANALYSIS

11.1 Technology Progress/Risk

11.1.1 Substitutes Threat

11.1.2 Technology Progress in Related Industry

11.2 Consumer Needs/Customer Preference Change

11.3 Economic/Political Environmental Change

12 GLOBAL PLLS AND SYNTHESIZERS MARKET FORECAST (2016-2021)

12.1 Global PLLs and Synthesizers Capacity, Production, Revenue Forecast (2016-2021)

12.2 Global PLLs and Synthesizers Production, Consumption Forecast by Regions (2016-2021)

12.3 Global PLLs and Synthesizers Production Forecast by Type (2016-2021)

12.4 Global PLLs and Synthesizers Consumption Forecast by Application (2016-2021)

12.5 PLLs and Synthesizers Price Forecast (2016-2021)

13 RESEARCH FINDINGS AND CONCLUSION

14 APPENDIX

Author List

Disclosure Section

Research Methodology

Data Source

Disclaimer

The report requires updating with new data and is sent in 2-3 business days after order is placed.

List Of Tables

LIST OF TABLES AND FIGURES

Figure Picture of PLLs and Synthesizers

Figure Global Production Market Share of PLLs and Synthesizers by Types in 2015

Table Classification of PLLs and Synthesizers

Figure Product Picture of Fractional-N PLLs

Table Major Manufacturers of Fractional-N PLLs

Figure Product Picture of Integer-N PLLs

Table Major Manufacturers of Integer-N PLLs

Figure Product Picture of PLLs with Integrated VCOs

Table Major Manufacturers of PLLs with Integrated VCOs

Table PLLs and Synthesizers Consumption Market Share by Applications in 2015

Table Applications of PLLs and Synthesizers

Figure Communication Devices Examples

Figure Wireless Infrastructure Examples

Figure Test and Measurement Devices Examples

Figure Space & Avionics Examples

Figure Military Examples

Figure North America PLLs and Synthesizers Revenue (Million USD) and Growth Rate (2011-2021)

Figure China PLLs and Synthesizers Revenue (Million USD) and Growth Rate (2011-2021)

Figure Europe PLLs and Synthesizers Revenue (Million USD) and Growth Rate (2011-2021)

Figure Japan PLLs and Synthesizers Revenue (Million USD) and Growth Rate (2011-2021)

Figure Taiwan PLLs and Synthesizers Revenue (Million USD) and Growth Rate (2011-2021)

Figure India PLLs and Synthesizers Revenue (Million USD) and Growth Rate (2011-2021)

Figure Row PLLs and Synthesizers Revenue (Million USD) and Growth Rate (2011-2021)

Figure Global PLLs and Synthesizers Revenue (Million USD) and Growth Rate (2011-2021)

Table Global PLLs and Synthesizers Capacity of Key Manufacturers (2015 and 2016)

Table Global PLLs and Synthesizers Capacity Market Share of Key Manufacturers (2015 and 2016)

Figure Global PLLs and Synthesizers Capacity of Key Manufacturers in 2015
Figure Global PLLs and Synthesizers Capacity of Key Manufacturers in 2016
Table Global PLLs and Synthesizers Production of Key Manufacturers (2015 and 2016)
Table Global PLLs and Synthesizers Production Share by Manufacturers (2015 and 2016)
Figure 2015 PLLs and Synthesizers Production Share by Manufacturers
Figure 2016 PLLs and Synthesizers Production Share by Manufacturers
Table Global PLLs and Synthesizers Revenue (Million USD) by Manufacturers (2015 and 2016)
Table Global PLLs and Synthesizers Revenue Share by Manufacturers (2015 and 2016)
Table 2015 Global PLLs and Synthesizers Revenue Share by Manufacturers
Table 2016 Global PLLs and Synthesizers Revenue Share by Manufacturers
Table Global Market PLLs and Synthesizers Average Price of Key Manufacturers (2015 and 2016)
Figure Global Market PLLs and Synthesizers Average Price of Key Manufacturers in 2015
Table Manufacturers PLLs and Synthesizers Manufacturing Base Distribution and Sales Area
Table Manufacturers PLLs and Synthesizers Product Types
Figure PLLs and Synthesizers Market Share of Top 3 Manufacturers
Figure PLLs and Synthesizers Market Share of Top 5 Manufacturers
Table Global PLLs and Synthesizers Capacity by Regions (2011-2016)
Figure Global PLLs and Synthesizers Capacity Market Share by Regions (2011-2016)
Figure Global PLLs and Synthesizers Capacity Market Share by Regions (2011-2016)
Figure 2015 Global PLLs and Synthesizers Capacity Market Share by Regions
Table Global PLLs and Synthesizers Production by Regions (2011-2016)
Figure Global PLLs and Synthesizers Production and Market Share by Regions (2011-2016)
Figure Global PLLs and Synthesizers Production Market Share by Regions (2011-2016)
Figure 2015 Global PLLs and Synthesizers Production Market Share by Regions
Table Global PLLs and Synthesizers Revenue by Regions (2011-2016)
Table Global PLLs and Synthesizers Revenue Market Share by Regions (2011-2016)
Table 2015 Global PLLs and Synthesizers Revenue Market Share by Regions
Table Global PLLs and Synthesizers Capacity, Production, Revenue, Price and Gross Margin (2011-2016)
Table North America PLLs and Synthesizers Capacity, Production, Revenue, Price and Gross Margin (2011-2016)
Table Europe PLLs and Synthesizers Capacity, Production, Revenue, Price and Gross

Margin (2011-2016)

Table China PLLs and Synthesizers Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table Japan PLLs and Synthesizers Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table Taiwan PLLs and Synthesizers Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table India PLLs and Synthesizers Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table Row PLLs and Synthesizers Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table Global PLLs and Synthesizers Consumption Market by Regions (2011-2016)

Table Global PLLs and Synthesizers Consumption Market Share by Regions (2011-2016)

Figure Global PLLs and Synthesizers Consumption Market Share by Regions (2011-2016)

Figure 2015 Global PLLs and Synthesizers Consumption Market Share by Regions

Table North America PLLs and Synthesizers Production, Consumption, Import & Export (2011-2016)

Table Europe PLLs and Synthesizers Production, Consumption, Import & Export (2011-2016)

Table China PLLs and Synthesizers Production, Consumption, Import & Export (2011-2016)

Table Japan PLLs and Synthesizers Production, Consumption, Import & Export (2011-2016)

Table Taiwan PLLs and Synthesizers Production, Consumption, Import & Export (2011-2016)

Table India PLLs and Synthesizers Production, Consumption, Import & Export (2011-2016)

Table Row PLLs and Synthesizers Production, Consumption, Import & Export (2011-2016)

Table Global PLLs and Synthesizers Production by Types (2011-2016)

Table Global PLLs and Synthesizers Production Share by Types (2011-2016)

Figure Production Market Share of PLLs and Synthesizers by Types (2011-2016)

Figure 2015 Production Market Share of PLLs and Synthesizers by Types

Table Global PLLs and Synthesizers Revenue by Types (2011-2016)

Table Global PLLs and Synthesizers Revenue Share by Types (2011-2016)

Figure Production Revenue Share of PLLs and Synthesizers by Types (2011-2016)

Figure 2015 Revenue Market Share of PLLs and Synthesizers by Types

Table Global PLLs and Synthesizers Price by Types (2011-2016)

Figure Global PLLs and Synthesizers Production Growth by Type (2011-2016)

Table Global PLLs and Synthesizers Consumption by Applications (2011-2016)

Table Global PLLs and Synthesizers Consumption Market Share by Applications (2011-2016)

Figure Global PLLs and Synthesizers Consumption Market Share by Applications in 2015

Table Global PLLs and Synthesizers Consumption Growth Rate by Applications (2011-2016)

Figure Global PLLs and Synthesizers Consumption Growth Rate by Applications (2011-2016)

Table NXP Semiconductors Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table NXP Semiconductors PLLs and Synthesizers Capacity, Production, Revenue, Price and Gross Margin (2015 and 2016)

Figure NXP Semiconductors PLLs and Synthesizers Market Share (2015 and 2016)

Table Texas Instruments Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Texas Instruments PLLs and Synthesizers Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Figure Texas Instruments PLLs and Synthesizers Market Share (2015 and 2016)

Table Analog Devices Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Analog Devices PLLs and Synthesizers Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Figure Analog Devices PLLs and Synthesizers Market Share (2015 and 2016)

Table National Semiconductor. Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table National Semiconductor. PLLs and Synthesizers Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Figure National Semiconductor. PLLs and Synthesizers Market Share (2015 and 2016)

Table Sanyo Semicon Device Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Sanyo Semicon Device PLLs and Synthesizers Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Figure Sanyo Semicon Device PLLs and Synthesizers Market Share (2015 and 2016)

Table TEMIC Semiconductors Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table TEMIC Semiconductors PLLs and Synthesizers Capacity, Production, Revenue,

Price and Gross Margin (2015 and 2016)

Figure TEMIC Semiconductors PLLs and Synthesizers Market Share (2015 and 2016)

Table Nippon Precision Circuits Inc Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Nippon Precision Circuits Inc PLLs and Synthesizers Capacity, Production, Revenue, Price and Gross Margin (2015 and 2016)

Figure Nippon Precision Circuits Inc PLLs and Synthesizers Market Share (2015 and 2016)

Table Motorola, Inc Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Motorola, Inc PLLs and Synthesizers Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Figure Motorola, Inc PLLs and Synthesizers Market Share (2015 and 2016)

Table Fujitsu Component Limited. Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Fujitsu Component Limited. PLLs and Synthesizers Capacity, Production, Revenue, Price and Gross Margin (2015 and 2016)

Figure Fujitsu Component Limited. PLLs and Synthesizers Market Share (2015 and 2016)

Table Vectron International, Inc Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Vectron International, Inc PLLs and Synthesizers Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Figure Vectron International, Inc PLLs and Synthesizers Market Share (2015 and 2016)

Table Production Base and Market Concentration Rate of Raw Material

Figure Price Trend of Key Raw Materials

Table Key Suppliers of Raw Materials

Figure Manufacturing Cost Structure of PLLs and Synthesizers

Figure Manufacturing Process Analysis of PLLs and Synthesizers

Figure PLLs and Synthesizers Wireless Infrastructure Chain Analysis

Table Raw Materials Sources of PLLs and Synthesizers Major Manufacturers in 2015

Table Major Buyers of PLLs and Synthesizers

Table Distributors/Traders List

Figure Global PLLs and Synthesizers Capacity, Production and Growth Rate Forecast (2016-2021)

Figure Global PLLs and Synthesizers Revenue and Growth Rate Forecast (2016-2021)

Table Global PLLs and Synthesizers Production Forecast by Regions (2016-2021)

Table Global PLLs and Synthesizers Consumption Forecast by Regions (2016-2021)

Table Global PLLs and Synthesizers Production Forecast by Type (2016-2021)

Table Global PLLs and Synthesizers Consumption Forecast by Application (2016-2021)

1 PLLs and Synthesizers Market Overview

1.1 Product Overview and Scope of PLLs and Synthesizers

A phase-locked loop or phase lock loop (PLL) is a control system that generates an output signal whose phase is related to the phase of an input signal. While there are several differing types, it is easy to initially visualize as an electronic circuit consisting of a variable frequency oscillator and a phase detector.

Figure Picture of PLLs and Synthesizers

Source: IDT, QYR Electronics Research Center, Dec. 2016

1.2 PLLs and Synthesizers Segment by Types

1.2.1 Global Production Market Share of PLLs and Synthesizers by Types in 2015

Figure Global Production Market Share of PLLs and Synthesizers by Types in 2015

Source: QYR Electronics Research Center, Dec. 2016

Table Classification of PLLs and Synthesizers

Types

Feature

Description

1

2

3

Source: QYR Electronics Research Center, Dec. 2016

1.2.2 Fractional-N PLLs

Figure Product Picture of Fractional-N PLLs

Source: QYR Electronics Research Center, Dec. 2016

Table Major Manufacturers of Fractional-N PLLs

Manufacturers

Location of Manufacturing Bases/Factories

1

2

3

...

Source: Above Companies; QYR Electronics Research Center, Dec. 2016

1.2.3 Integer-N PLLs

Figure Product Picture of Integer-N PLLs

Source: QYR Electronics Research Center, Dec. 2016

Table Major Manufacturers of Integer-N PLLs

Manufacturers

Location of Manufacturing Bases/Factories

1

2

3

...

Source: Above Companies; QYR Electronics Research Center, Dec. 2016

1.2.4 PLLs with Integrated VCOs

Figure Product Picture of PLLs with Integrated VCOs

Source: QYR Electronics Research Center, Dec. 2016

Table Major Manufacturers of PLLs with Integrated VCOs

Manufacturers

Location of Manufacturing Bases/Factories

1

2

3

...

Source: Above Companies; QYR Electronics Research Center, Dec. 2016

1.3 PLLs and Synthesizers Segment by Applications

1.3.1 PLLs and Synthesizers Consumption Market Share by Applications in 2015

Table PLLs and Synthesizers Consumption Market Share by Applications in 2015

Source: QYR Electronics Research Center, Dec. 2016

Table Applications of PLLs and Synthesizers

Applications

Feature

Description

1

2

3

Source: QYR Electronics Research Center, Dec. 2016

1.3.2 Communication Devices

Communication Devices

Figure Communication Devices Examples

Source: QYR Electronics Research Center, Dec. 2016

1.3.3 Wireless Infrastructure

Wireless Infrastructure

Figure Wireless Infrastructure Examples

Source: QYR Electronics Research Center, Dec. 2016

1.3.4 Test and Measurement Devices

Test and Measurement Devices

Figure Test and Measurement Devices Examples

Source: QYR Electronics Research Center, Dec. 2016

1.3.5 Space& Avionics

Space& Avionics

Figure Space& Avionics Examples

Source: QYR Electronics Research Center, Dec. 2016

1.3.6 Military

Military

Figure Military Examples

Source: QYR Electronics Research Center, Dec. 2016

1.4 PLLs and Synthesizers Market by Regions

1.4.1 North America Status and Prospect (2011-2021)

Figure North America PLLs and Synthesizers Revenue (Million USD) and Growth Rate (2011-2021)

Source: QYR Electronics Research Center, Dec. 2016

1.4.2 China Status and Prospect (2011-2021)

Figure China PLLs and Synthesizers Revenue (Million USD) and Growth Rate (2011-2021)

Source: QYR Electronics Research Center, Dec. 2016

1.4.3 Europe Status and Prospect (2011-2021)

Figure Europe PLLs and Synthesizers Revenue (Million USD) and Growth Rate (2011-2021)

Source: QYR Electronics Research Center, Dec. 2016

1.4.4 Japan Status and Prospect (2011-2021)

Figure Japan PLLs and Synthesizers Revenue (Million USD) and Growth Rate (2011-2021)

Source: QYR Electronics Research Center, Dec. 2016

1.4.5 Taiwan Status and Prospect (2011-2021)

Figure Taiwan PLLs and Synthesizers Revenue (Million USD) and Growth Rate (2011-2021)

Source: QYR Electronics Research Center, Dec. 2016

1.4.6 India Status and Prospect (2011-2021)

Figure India PLLs and Synthesizers Revenue (Million USD) and Growth Rate (2011-2021)

Source: QYR Electronics Research Center, Dec. 2016

1.4.7 Row Status and Prospect (2011-2021)

Figure Row PLLs and Synthesizers Revenue (Million USD) and Growth Rate (2011-2021)

Source: QYR Electronics Research Center, Dec. 2016

1.5 Global Market Size (Value) of PLLs and Synthesizers (2011-2021)

Figure Global PLLs and Synthesizers Revenue (Million USD) and Growth Rate

(2011-2021)

Source: QYR Electronics Research Center, Dec. 2016

2 Global PLLs and Synthesizers Market Competition by Manufacturers

2.1 Global PLLs and Synthesizers Capacity, Production and Share by Manufacturers

(2015 and 2016)

Table Global PLLs and Synthesizers Capacity of Key Manufacturers (2015 and 2016)

Capacity

2015

2016

NXP Semiconductors

Texas Instruments

Analog Devices

National Semiconductor.

Sanyo Semicon Device

...

Total

Source: Above companies; QYR Electronics Research Center, Dec. 2016

Table Global PLLs and Synthesizers Capacity Market Share of Key Manufacturers

(2015 and 2016)

Capacity

2015

2016

NXP Semiconductors

Texas Instruments

Analog Devices

National Semiconductor.

Sanyo Semicon Device

...

Total

Source: Above companies; QYR Electronics Research Center, Dec. 2016

Figure Global PLLs and Synthesizers Capacity of Key Manufacturers in 2015

Source: Above companies; QYR Electronics Research Center, Dec. 2016

Figure Global PLLs and Synthesizers Capacity of Key Manufacturers in 2016

Source: Above companies; QYR Electronics Research Center, Dec. 2016

Table Global PLLs and Synthesizers Production of Key Manufacturers (2015 and 2016)

Production

2015

2016

NXP Semiconductors

Texas Instruments

Analog Devices

National Semiconductor.

Sanyo Semicon Device

...

Total

Source: Above companies; QYR Electronics Research Center, Dec. 2016

Table Global PLLs and Synthesizers Production Share by Manufacturers (2015 and 2016)

Production Share

2015

2016

NXP Semiconductors

Texas Instruments

...

Total

Source: Above companies; QYR Electronics Research Center, Dec. 2016

Figure 2015 PLLs and Synthesizers Production Share by Manufacturers

Source: Above companies; QYR Electronics Research Center, Dec. 2016

Figure 2016 PLLs and Synthesizers Production Share by Manufacturers

Source: Above companies; QYR Electronics Research Center, Dec. 2016

2.2 Global PLLs and Synthesizers Revenue and Share by Manufacturers (2015 and 2016)

Table Global PLLs and Synthesizers Revenue (Million USD) by Manufacturers (2015 and 2016)

Revenue

2015

2016

NXP Semiconductors

Texas Instruments

...

Total

Source: Above companies; QYR Electronics Research Center, Dec. 2016

Table Global PLLs and Synthesizers Revenue Share by Manufacturers (2015 and 2016)

Revenue Share

2015

2016

NXP Semiconductors

Texas Instruments

...

Total

Source: Above companies; QYR Electronics Research Center, Dec. 2016

Table 2015 Global PLLs and Synthesizers Revenue Share by Manufacturers

Source: Above companies; QYR Electronics Research Center, Dec. 2016

Table 2016 Global PLLs and Synthesizers Revenue Share by Manufacturers

Source: Above companies; QYR Electronics Research Center, Dec. 2016

2.3 Global PLLs and Synthesizers Average Price by Manufacturers (2015 and 2016)

Table Global Market PLLs and Synthesizers Average Price of Key Manufacturers (2015 and 2016)

2015

2016

NXP Semiconductors

Texas Instruments

...

Total

Source: Above companies; QYR Electronics Research Center, Dec. 2016

Figure Global Market PLLs and Synthesizers Average Price of Key Manufacturers in 2015

Source: Above companies; QYR Electronics Research Center, Dec. 2016

2.4 Manufacturers PLLs and Synthesizers Manufacturing Base Distribution, Sales Area, Product Types

Table Manufacturers PLLs and Synthesizers Manufacturing Base Distribution and Sales Area

Manufacturing Base Distribution

Sales Area

NXP Semiconductors

Texas Instruments

...

Source: Above companies; QYR Electronics Research Center, Dec. 2016

Table Manufacturers PLLs and Synthesizers Product Types

Product Types

NXP Semiconductors

Texas Instruments

...

Source: Above companies; QYR Electronics Research Center, Dec. 2016

2.5 PLLs and Synthesizers Market Competitive Situation and Trends?

2.5.1 PLLs and Synthesizers Market Concentration Rate

2.5.2 PLLs and Synthesizers Market Share of Top 3 and Top 5 Manufacturers

Figure PLLs and Synthesizers Market Share of Top 3 Manufacturers

Source: Above companies; QYR Electronics Research Center, Dec. 2016

Figure PLLs and Synthesizers Market Share of Top 5 Manufacturers

Source: Above companies; QYR Electronics Research Center, Dec. 2016

2.5.3 Mergers & Acquisitions, Expansion

3 Global PLLs and Synthesizers Capacity, Production, Revenue (Value) by Regions (2011-2016)

3.1 Global PLLs and Synthesizers Capacity and Market Share by Regions (2011-2016)

Table Global PLLs and Synthesizers Capacity by Regions (2011-2016)

2011

2012

2013

2014

2015

2016

North America

Europe

China

Japan

Taiwan

India

Row

ROW

Total

Source: QYR Electronics Research Center, Dec. 2016

Figure Global PLLs and Synthesizers Capacity Market Share by Regions (2011-2016)

2011

2012

2013

2014

2015

2016

North America

Europe

China

Japan

Taiwan

India

Row

ROW

Total

Source: QYR Electronics Research Center, Dec. 2016

Figure Global PLLs and Synthesizers Capacity Market Share by Regions (2011-2016)

Source: QYR Electronics Research Center, Dec. 2016

Figure 2015 Global PLLs and Synthesizers Capacity Market Share by Regions

Source: QYR Electronics Research Center, Dec. 2016

3.2 Global PLLs and Synthesizers Production and Market Share by Regions
(2011-2016)

Table Global PLLs and Synthesizers Production by Regions (2011-2016)

2011

2012

2013

2014

2015

2016

North America

Europe

China

Japan

Taiwan

India

Row

ROW

Total

Source: QYR Electronics Research Center, Dec. 2016

Figure Global PLLs and Synthesizers Production and Market Share by Regions
(2011-2016)

2011

2012

2013

2014

2015

2016

North America

Europe

China

Japan

Taiwan

India

Row

ROW

Total

Source: QYR Electronics Research Center, Dec. 2016

Figure Global PLLs and Synthesizers Production Market Share by Regions (2011-2016)

Source: QYR Electronics Research Center, Dec. 2016

Figure 2015 Global PLLs and Synthesizers Production Market Share by Regions

Source: QYR Electronics Research Center, Dec. 2016

3.3 Global PLLs and Synthesizers Revenue (Value) and Market Share by Regions (2011-2016)

Table Global PLLs and Synthesizers Revenue by Regions (2011-2016)

2011

2012

2013

2014

2015

2016

North America

Europe

China

Japan

Taiwan

India

Row

ROW

Total

Source: QYR Electronics Research Center, Dec. 2016

Table Global PLLs and Synthesizers Revenue Market Share by Regions (2011-2016)

2011

2012

2013

2014

2015

2016

North America

Europe

China

Japan
Taiwan
India
Row
ROW
Total

Source: QYR Electronics Research Center, Dec. 2016

Table 2015 Global PLLs and Synthesizers Revenue Market Share by Regions

Source: QYR Electronics Research Center, Dec. 2016

3.4 Global PLLs and Synthesizers Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table Global PLLs and Synthesizers Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

2011

2012

2013

2014

2015

2016

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

Gross Margin

Source: QYR Electronics Research Center, Dec. 2016

3.5 North America PLLs and Synthesizers Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table North America PLLs and Synthesizers Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

2011

2012

2013

2014

2015

2016

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

Gross Margin

Source: QYR Electronics Research Center, Dec. 2016

3.6 Europe PLLs and Synthesizers Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table Europe PLLs and Synthesizers Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

2011

2012

2013

2014

2015

2016

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

Gross Margin

Source: QYR Electronics Research Center, Dec. 2016

3.7 China PLLs and Synthesizers Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table China PLLs and Synthesizers Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

2011

2012

2013

2014

2015

2016

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

Gross Margin

Source: QYR Electronics Research Center, Dec. 2016

3.8 Japan PLLs and Synthesizers Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table Japan PLLs and Synthesizers Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

2011

2012

2013

2014

2015

2016

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

Gross Margin

Source: QYR Electronics Research Center, Dec. 2016

3.9 Taiwan PLLs and Synthesizers Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table Taiwan PLLs and Synthesizers Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

2011

2012

2013

2014

2015

2016

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

Gross Margin

Source: QYR Electronics Research Center, Dec. 2016

3.10 India PLLs and Synthesizers Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table India PLLs and Synthesizers Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

2011

2012

2013

2014

2015

2016

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

Gross Margin

Source: QYR Electronics Research Center, Dec. 2016

3.11 Row PLLs and Synthesizers Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table Row PLLs and Synthesizers Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

2011

2012

2013

2014

2015

2016

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

Gross Margin

Source: QYR Electronics Research Center, Dec. 2016

4 Global PLLs and Synthesizers Supply (Production), Consumption, Export, Import by Regions (2011-2016)

4.1 Global PLLs and Synthesizers Consumption by Regions (2011-2016)

Table Global PLLs and Synthesizers Consumption Market by Regions (2011-2016)

2011

2012

2013

2014

2015

2016

North America

Europe

China

Japan

Taiwan

India

Row

ROW

Total

Source: QYR Electronics Research Center, Dec. 2016

Table Global PLLs and Synthesizers Consumption Market Share by Regions (2011-2016)

2011

2012

2013

2014

2015

2016

North America

Europe

China

Japan

Taiwan

India

Row

ROW

Total

Source: QYR Electronics Research Center, Dec. 2016

Figure Global PLLs and Synthesizers Consumption Market Share by Regions
(2011-2016)

Source: QYR Electronics Research Center, Dec. 2016

Figure 2015 Global PLLs and Synthesizers Consumption Market Share by Regions

Source: QYR Electronics Research Center, Dec. 2016

4.2 North America PLLs and Synthesizers Production, Consumption, Export, Import by
Regions (2011-2016)

Table North America PLLs and Synthesizers Production, Consumption, Import & Export
(2011-2016)

2011

2012

2013

2014

2015

2016

Production

Import

Export

Consumption

Source: QYR Electronics Research Center, Dec. 2016

4.3 Europe PLLs and Synthesizers Production, Consumption, Export, Import by
Regions (2011-2016)

Table Europe PLLs and Synthesizers Production, Consumption, Import & Export
(2011-2016)

2011

2012

2013

2014

2015

2016

Production

Import

Export

Consumption

Source: QYR Electronics Research Center, Dec. 2016

4.4 China PLLs and Synthesizers Production, Consumption, Export, Import by Regions (2011-2016)

Table China PLLs and Synthesizers Production, Consumption, Import & Export (2011-2016)

2011

2012

2013

2014

2015

2016

Production

Import

Export

Consumption

Source: QYR Electronics Research Center, Dec. 2016

4.5 Japan PLLs and Synthesizers Production, Consumption, Export, Import by Regions (2011-2016)

Table Japan PLLs and Synthesizers Production, Consumption, Import & Export (2011-2016)

2011

2012

2013

2014

2015

2016

Production

Import

Export

Consumption

Source: QYR Electronics Research Center, Dec. 2016

4.6 Taiwan PLLs and Synthesizers Production, Consumption, Export, Import by Regions (2011-2016)

Table Taiwan PLLs and Synthesizers Production, Consumption, Import & Export (2011-2016)

2011

2012

2013

2014

2015

2016

Production

Import

Export

Consumption

Source: QYR Electronics Research Center, Dec. 2016

4.7 India PLLs and Synthesizers Production, Consumption, Export, Import by Regions (2011-2016)

Table India PLLs and Synthesizers Production, Consumption, Import & Export (2011-2016)

2011

2012

2013

2014

2015

2016

Production

Import

Export

Consumption

Source: QYR Electronics Research Center, Dec. 2016

4.8 Row PLLs and Synthesizers Production, Consumption, Export, Import by Regions (2011-2016)

Table Row PLLs and Synthesizers Production, Consumption, Import & Export (2011-2016)

2011

2012

2013

2014

2015

2016

Production

Import

Export

Consumption

Source: QYR Electronics Research Center, Dec. 2016

5 Global PLLs and Synthesizers Production, Revenue (Value), Price Trend by Types

5.1 Global PLLs and Synthesizers Production and Market Share by Types (2011-2016)

Table Global PLLs and Synthesizers Production by Types (2011-2016)

2011

2012

2013

2014

2015

2016

Fractional-N PLLs

Integer-N PLLs

...

Total

Source: QYR Electronics Research Center, Dec. 2016

Table Global PLLs and Synthesizers Production Share by Types (2011-2016)

2011

2012

2013

2014

2015

2016

Fractional-N PLLs

Integer-N PLLs

...

Total

Source: QYR Electronics Research Center, Dec. 2016

Figure Production Market Share of PLLs and Synthesizers by Types (2011-2016)

Source: QYR Electronics Research Center, Dec. 2016

Figure 2015 Production Market Share of PLLs and Synthesizers by Types

Source: QYR Electronics Research Center, Dec. 2016

5.2 Global PLLs and Synthesizers Revenue and Market Share by Types (2011-2016)

Table Global PLLs and Synthesizers Revenue by Types (2011-2016)

2011

2012

2013

2014

2015

2016

Fractional-N PLLs

Integer-N PLLs

...

Total

Source: QYR Electronics Research Center, Dec. 2016

Table Global PLLs and Synthesizers Revenue Share by Types (2011-2016)

2011

2012

2013

2014

2015

2016

Fractional-N PLLs

Integer-N PLLs

...

Total

Source: QYR Electronics Research Center, Dec. 2016

Figure Production Revenue Share of PLLs and Synthesizers by Types (2011-2016)

Source: QYR Electronics Research Center, Dec. 2016

Figure 2015 Revenue Market Share of PLLs and Synthesizers by Types

Source: QYR Electronics Research Center, Dec. 2016

5.3 Global PLLs and Synthesizers Price by Type (2011-2016)

Table Global PLLs and Synthesizers Price by Types (2011-2016)

2011

2012

2013

2014

2015

2016

Fractional-N PLLs

Integer-N PLLs

...

Total

Source: QYR Electronics Research Center, Dec. 2016

5.4 Global PLLs and Synthesizers Production Growth by Type (2011-2016)

Figure Global PLLs and Synthesizers Production Growth by Type (2011-2016)

Source: QYR Electronics Research Center, Dec. 2016

6 Global PLLs and Synthesizers Market Analysis by Applications

6.1 Global PLLs and Synthesizers Consumption and Market Share by Applications (2011-2016)

Table Global PLLs and Synthesizers Consumption by Applications (2011-2016)

2011

2012

2013

2014

2015

2016

Communication Devices

Wireless Infrastructure

...

Total

Source: QYR Electronics Research Center, Dec. 2016

Table Global PLLs and Synthesizers Consumption Market Share by Applications
(2011-2016)

2011

2012

2013

2014

2015

2016

Communication Devices

Wireless Infrastructure

...

Total

Source: QYR Electronics Research Center, Dec. 2016

Figure Global PLLs and Synthesizers Consumption Market Share by Applications in
2015

Source: QYR Electronics Research Center, Dec. 2016

6.2 Global PLLs and Synthesizers Consumption Growth Rate by Applications
(2011-2016)Table Global PLLs and Synthesizers Consumption Growth Rate by Applications
(2011-2016)

2011

2012

2013

2014

2015

2016

Communication Devices

Wireless Infrastr

I would like to order

Product name: Global PLLs and Synthesizers Market Research Report 2016

Product link: <https://marketpublishers.com/r/GC20DC2FAFBEN.html>

Price: US\$ 2,999.00 (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/GC20DC2FAFBEN.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