

Global Programmable & Variable Gain Amplifiers Market Research Report 2016

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Abstracts

This report studies Programmable & Variable Gain Amplifiers 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

INTERSIL CORPORATION

Linear Technology

ANALOG DEVICES

STMicroelectronics

NATIONAL SEMICONDUCTOR

TEXAS INSTRUMENTS

Micro Linear Corporation

BURR-BROWN CORPORATION

CIRRUS LOGIC

FREQUENCY DEVICES, INC.

RF MICRO DEVICES

AMS AG

ANADIGICS, INC

ON Semiconductor

Hittite Microwave Corporation

Siemens Semiconductor Group

NXP Semiconductors

Mini-Circuits

United Monolithic Semiconductors

TriQuint Semiconductor

Market Segment by Regions, this report splits Global into several key Regions, with production, consumption, revenue, market share and growth rate of Programmable & Variable Gain Amplifiers 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

PGA

1 Channel

2 Channels

4 Channels

8 Channels

10 Channels

VGA

1 Channel

2 Channels

4 Channels

8 Channels

10 Channels

Split by applications, this report focuses on consumption, market share and growth rate of Programmable & Variable Gain Amplifiers in each application, can be divided into

House Appliance

Consumer Electronics

PC

Radio Device

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1 Programmable & Variable Gain Amplifiers Market Overview

1.1 Product Overview and Scope of Programmable & Variable Gain Amplifiers

A PGA, or programmable gain amplifier, is an electronic amplifier (often an op amp), of which the gain can be controlled by external analog or digital signals. These gains can be set from under 1V/V to over 100V/V. Examples for external digital signals can be SPI and I²C.

A variable-gain or voltage-controlled amplifier is an electronic amplifier that varies its gain depending on a control voltage (often abbreviated CV). VCAs have many applications, including audio level compression, synthesizers and amplitude modulation.

Figure Picture of Programmable & Variable Gain Amplifiers

Source: Texas Instruments, QYR Electronics Research Center, Dec. 2016

1.2 Programmable & Variable Gain Amplifiers Segment by Types

1.2.1 Global Production Market Share of Programmable & Variable Gain Amplifiers by Types in 2015

Figure Global Production Market Share of Programmable & Variable Gain Amplifiers by Types in 2015

Source: QYR Electronics Research Center, Dec. 2016

Table Classification of Programmable & Variable Gain Amplifiers

Types

Feature

Description

1

2

3

Source: QYR Electronics Research Center, Dec. 2016

1.2.2 PGA

Figure Product Picture of PGA

Source: QYR Electronics Research Center, Dec. 2016

Table Major Manufacturers of PGA

Manufacturers

Location of Manufacturing Bases/Factories

1

2

3

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

- 1.2.2.1 1 Channel
- 1.2.2.2 2 Channels
- 1.2.2.3 4 Channels
- 1.2.2.4 8 Channels
- 1.2.2.5 10 Channels

1.2.3 VGA

Figure Product Picture of VGA

Source: QYR Electronics Research Center, Dec. 2016

Table Major Manufacturers of VGA

Manufacturers

Location of Manufacturing Bases/Factories

- 1
- 2
- 3

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

- 1.2.3.1 1 Channel
- 1.2.3.2 2 Channels
- 1.2.3.3 4 Channels
- 1.2.3.4 8 Channels
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1.3 Programmable & Variable Gain Amplifiers Segment by Applications

1.3.1 Programmable & Variable Gain Amplifiers Consumption Market Share by Applications in 2015

Table Programmable & Variable Gain Amplifiers Consumption Market Share by Applications in 2015

Source: QYR Electronics Research Center, Dec. 2016

Table Applications of Programmable & Variable Gain Amplifiers

Applications

Feature

Description

- 1
- 2
- 3

Source: QYR Electronics Research Center, Dec. 2016

1.3.2 House Appliance

House Appliance

Figure House Appliance Examples

Source: QYR Electronics Research Center, Dec. 2016

1.3.3 Consumer Electronics

Consumer Electronics

Figure Consumer Electronics Examples

Source: QYR Electronics Research Center, Dec. 2016

1.3.4 PC

PC

Figure PC Examples

Source: QYR Electronics Research Center, Dec. 2016

1.3.5 Radio Device

Radio Device

Figure Radio Device Examples

Source: QYR Electronics Research Center, Dec. 2016

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Source: QYR Electronics Research Center, Dec. 2016

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Source: QYR Electronics Research Center, Dec. 2016

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Source: QYR Electronics Research Center, Dec. 2016

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Figure Taiwan Programmable & Variable Gain Amplifiers 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 Programmable & Variable Gain Amplifiers 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 Programmable & Variable Gain Amplifiers Revenue (Million USD) and Growth Rate (2011-2021)

Source: QYR Electronics Research Center, Dec. 2016

1.5 Global Market Size (Value) of Programmable & Variable Gain Amplifiers
(2011-2021)

Figure Global Programmable & Variable Gain Amplifiers Revenue (Million USD) and
Growth Rate (2011-2021)

Source: QYR Electronics Research Center, Dec. 2016

2 Global Programmable & Variable Gain Amplifiers Market Competition by
Manufacturers

2.1 Global Programmable & Variable Gain Amplifiers Capacity, Production and Share
by Manufacturers (2015 and 2016)

Table Global Programmable & Variable Gain Amplifiers Capacity of Key Manufacturers
(2015 and 2016)

Capacity

INTERSIL CORPORATION

Linear Technology

ANALOG DEVICES

STMicroelectronics

NATIONAL SEMICONDUCTOR

Total

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

Table Global Programmable & Variable Gain Amplifiers Capacity Market Share of Key
Manufacturers (2015 and 2016)

Capacity

INTERSIL CORPORATION

Linear Technology

ANALOG DEVICES

STMicroelectronics

NATIONAL SEMICONDUCTOR

Total

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

Figure Global Programmable & Variable Gain Amplifiers Capacity of Key Manufacturers
in 2015

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

Figure Global Programmable & Variable Gain Amplifiers Capacity of Key Manufacturers
in 2016

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

Table Global Programmable & Variable Gain Amplifiers Production of Key
Manufacturers (2015 and 2016)

Production

INTERSIL CORPORATION

Linear Technology

ANALOG DEVICES

STMicroelectronics

NATIONAL SEMICONDUCTOR

Total

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

Table Global Programmable & Variable Gain Amplifiers Production Share by
Manufacturers (2015 and 2016)

Production Share

2015

2016

INTERSIL CORPORATION

Linear Technology

Total

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

Figure 2015 Programmable & Variable Gain Amplifiers Production Share by
Manufacturers

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

Figure 2016 Programmable & Variable Gain Amplifiers Production Share by
Manufacturers

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

2.2 Global Programmable & Variable Gain Amplifiers Revenue and Share by
Manufacturers (2015 and 2016)Table Global Programmable & Variable Gain Amplifiers Revenue (Million USD) by
Manufacturers (2015 and 2016)

Revenue

INTERSIL CORPORATION

Linear Technology

Total

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

Table Global Programmable & Variable Gain Amplifiers Revenue Share by
Manufacturers (2015 and 2016)

Revenue Share

INTERSIL CORPORATION

Linear Technology

Total

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

Table 2015 Global Programmable & Variable Gain Amplifiers Revenue Share by

Manufacturers

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

Table 2016 Global Programmable & Variable Gain Amplifiers Revenue Share by Manufacturers

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

2.3 Global Programmable & Variable Gain Amplifiers Average Price by Manufacturers (2015 and 2016)

Table Global Market Programmable & Variable Gain Amplifiers Average Price of Key Manufacturers (2015 and 2016)

INTERSIL CORPORATION

Linear Technology

Total

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

Figure Global Market Programmable & Variable Gain Amplifiers Average Price of Key Manufacturers in 2015

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

2.4 Manufacturers Programmable & Variable Gain Amplifiers Manufacturing Base Distribution, Sales Area, Product Types

Table Manufacturers Programmable & Variable Gain Amplifiers Manufacturing Base Distribution and Sales Area

Manufacturing Base Distribution

Sales Area

INTERSIL CORPORATION

Linear Technology

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

Table Manufacturers Programmable & Variable Gain Amplifiers Product Types
Product Types

INTERSIL CORPORATION

Linear Technology

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

2.5 Programmable & Variable Gain Amplifiers Market Competitive Situation and Trends?

2.5.1 Programmable & Variable Gain Amplifiers Market Concentration Rate

2.5.2 Programmable & Variable Gain Amplifiers Market Share of Top 3 and Top 5 Manufacturers

Figure Programmable & Variable Gain Amplifiers Market Share of Top 3 Manufacturers

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

Figure Programmable & Variable Gain Amplifiers Market Share of Top 5 Manufacturers

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

2.5.3 Mergers & Acquisitions, Expansion

3 Global Programmable & Variable Gain Amplifiers Capacity, Production, Revenue (Value) by Regions (2011-2016)

3.1 Global Programmable & Variable Gain Amplifiers Capacity and Market Share by Regions (2011-2016)

Table Global Programmable & Variable Gain Amplifiers Capacity by Regions (2011-2016)

North America

Europe

China

Japan

Taiwan

India

Row

ROW

Total

Source: QYR Electronics Research Center, Dec. 2016

Figure Global Programmable & Variable Gain Amplifiers Capacity Market Share by Regions (2011-2016)

North America

Europe

China

Japan

Taiwan

India

Row

ROW

Total

Source: QYR Electronics Research Center, Dec. 2016

Figure Global Programmable & Variable Gain Amplifiers Capacity Market Share by Regions (2011-2016)

Source: QYR Electronics Research Center, Dec. 2016

Figure 2015 Global Programmable & Variable Gain Amplifiers Capacity Market Share by Regions

Source: QYR Electronics Research Center, Dec. 2016

3.2 Global Programmable & Variable Gain Amplifiers Production and Market Share by Regions (2011-2016)

Table Global Programmable & Variable Gain Amplifiers Production by Regions (2011-2016)

North America

Europe

China

Japan

Taiwan

India

Row

ROW

Total

Source: QYR Electronics Research Center, Dec. 2016

Figure Global Programmable & Variable Gain Amplifiers Production and Market Share by Regions (2011-2016)

North America

Europe

China

Japan

Taiwan

India

Row

ROW

Total

Source: QYR Electronics Research Center, Dec. 2016

Figure Global Programmable & Variable Gain Amplifiers Production Market Share by Regions (2011-2016)

Source: QYR Electronics Research Center, Dec. 2016

Figure 2015 Global Programmable & Variable Gain Amplifiers Production Market Share by Regions

Source: QYR Electronics Research Center, Dec. 2016

3.3 Global Programmable & Variable Gain Amplifiers Revenue (Value) and Market Share by Regions (2011-2016)

Table Global Programmable & Variable Gain Amplifiers Revenue by Regions (2011-2016)

North America

Europe

China

Japan

Taiwan

India

Row

ROW

Total

Source: QYR Electronics Research Center, Dec. 2016

Table Global Programmable & Variable Gain Amplifiers Revenue Market Share by Regions (2011-2016)

North America

Europe

China

Japan

Taiwan

India

Row

ROW

Total

Source: QYR Electronics Research Center, Dec. 2016

Table 2015 Global Programmable & Variable Gain Amplifiers Revenue Market Share by Regions

Source: QYR Electronics Research Center, Dec. 2016

3.4 Global Programmable & Variable Gain Amplifiers Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table Global Programmable & Variable Gain Amplifiers Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

Gross Margin

Source: QYR Electronics Research Center, Dec. 2016

3.5 North America Programmable & Variable Gain Amplifiers Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table North America Programmable & Variable Gain Amplifiers Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

Gross Margin

Source: QYR Electronics Research Center, Dec. 2016

3.6 Europe Programmable & Variable Gain Amplifiers Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table Europe Programmable & Variable Gain Amplifiers Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

Gross Margin

Source: QYR Electronics Research Center, Dec. 2016

3.7 China Programmable & Variable Gain Amplifiers Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table China Programmable & Variable Gain Amplifiers Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

Gross Margin

Source: QYR Electronics Research Center, Dec. 2016

3.8 Japan Programmable & Variable Gain Amplifiers Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table Japan Programmable & Variable Gain Amplifiers Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

Gross Margin

Source: QYR Electronics Research Center, Dec. 2016

3.9 Taiwan Programmable & Variable Gain Amplifiers Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table Taiwan Programmable & Variable Gain Amplifiers Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

Gross Margin

Source: QYR Electronics Research Center, Dec. 2016

3.10 India Programmable & Variable Gain Amplifiers Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table India Programmable & Variable Gain Amplifiers Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

Gross Margin

Source: QYR Electronics Research Center, Dec. 2016

3.11 Row Programmable & Variable Gain Amplifiers Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table Row Programmable & Variable Gain Amplifiers Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

Gross Margin

Source: QYR Electronics Research Center, Dec. 2016

4 Global Programmable & Variable Gain Amplifiers Supply (Production), Consumption, Export, Import by Regions (2011-2016)

4.1 Global Programmable & Variable Gain Amplifiers Consumption by Regions (2011-2016)

Table Global Programmable & Variable Gain Amplifiers Consumption Market by Regions (2011-2016)

North America

Europe

China

Japan

Taiwan

India

Row

ROW

Total

Source: QYR Electronics Research Center, Dec. 2016

Table Global Programmable & Variable Gain Amplifiers Consumption Market Share by Regions (2011-2016)

North America

Europe

China

Japan

Taiwan

India

Row

ROW

Total

Source: QYR Electronics Research Center, Dec. 2016

Figure Global Programmable & Variable Gain Amplifiers Consumption Market Share by Regions (2011-2016)

Source: QYR Electronics Research Center, Dec. 2016

Figure 2015 Global Programmable & Variable Gain Amplifiers Consumption Market Share by Regions

Source: QYR Electronics Research Center, Dec. 2016

4.2 North America Programmable & Variable Gain Amplifiers Production, Consumption, Export, Import by Regions (2011-2016)

Table North America Programmable & Variable Gain Amplifiers Production, Consumption, Import & Export (2011-2016)

Source: QYR Electronics Research Center, Dec. 2016

4.3 Europe Programmable & Variable Gain Amplifiers Production, Consumption, Export, Import by Regions (2011-2016)

Table Europe Programmable & Variable Gain Amplifiers Production, Consumption, Import & Export (2011-2016)

Source: QYR Electronics Research Center, Dec. 2016

4.4 China Programmable & Variable Gain Amplifiers Production, Consumption, Export, Import by Regions (2011-2016)

Table China Programmable & Variable Gain Amplifiers Production, Consumption, Import & Export (2011-2016)

Source: QYR Electronics Research Center, Dec. 2016

4.5 Japan Programmable & Variable Gain Amplifiers Production, Consumption, Export, Import by Regions (2011-2016)

Table Japan Programmable & Variable Gain Amplifiers Production, Consumption, Import & Export (2011-2016)

Source: QYR Electronics Research Center, Dec. 2016

4.6 Taiwan Programmable & Variable Gain Amplifiers Production, Consumption, Export, Import by Regions (2011-2016)

Table Taiwan Programmable & Variable Gain Amplifiers Production, Consumption, Import & Export (2011-2016)

Source: QYR Electronics Research Center, Dec. 2016

4.7 India Programmable & Variable Gain Amplifiers Production, Consumption, Export, Import by Regions (2011-2016)

Table India Programmable & Variable Gain Amplifiers Production, Consumption, Import & Export (2011-2016)

Source: QYR Electronics Research Center, Dec. 2016

4.8 Row Programmable & Variable Gain Amplifiers Production, Consumption, Export, Import by Regions (2011-2016)

Table Row Programmable & Variable Gain Amplifiers Production, Consumption, Import & Export (2011-2016)

Source: QYR Electronics Research Center, Dec. 2016

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