

Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) Graphics Processing Unit (GPU) Market 2018, Forecast to 2023

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Abstracts

A graphics processing unit (GPU) is a specialized electronic circuit designed to rapidly manipulate and alter memory to accelerate the creation of images in a frame buffer intended for output to a display device. GPUs are used in embedded systems, mobile phones, personal computers, workstations, and game consoles. Modern GPUs are very efficient at manipulating computer graphics and image processing, and their highly parallel structure makes them more efficient than general-purpose CPUs for algorithms where the processing of large blocks of data is done in parallel. In a personal computer, a GPU can be present on a video card, or it can be embedded on the motherboard or—in certain CPUs—on the CPU die.

Scope of the Report:

This report focuses on the Graphics Processing Unit (GPU) in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application. Rising number of heavy graphic games is the major factor driving the growth of the GPU market. These heavy graphic games require high memory graphic cards, thus driving the growth of GPU market. Rising adoption of portable computing devices such as laptops is also supporting the growth of the GPU market across the world. Rise in demand for animation based games such as FIFA and Need for Speed and growth in adoption of virtual reality headsets are anticipated to provide immense opportunities for the GPU market in coming years. Growth of mobile based gaming and declining demand for desktops is expected to restrain the growth of GPU market across the world.

APAC is expected to account for almost 38% of the total market shares by the end of

the forecast period and will also dominate the market throughout the next four years. The increasing demand for laptops due to their reduced ASPs and the recent increase in unit shipments of notebooks to countries such as Singapore and Japan due to the presence of technology-driven customers and gamers will drive the growth of the GPU market in this region.

The worldwide market for Graphics Processing Unit (GPU) is expected to grow at a CAGR of roughly xx% over the next five years, will reach xx million US\$ in 2023, from xx million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

NVIDIA Corporation

Advanced Micro Devices (AMD)

Broadcom Corporation

ARM Limited

Imagination Technologies Group

Intel Corporation

Qualcomm

Vivante Corporation

Silicon Integrated Systems Corporation

VIA Technologies

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

Asia-Pacific (China, Japan, Korea, India and Southeast Asia)

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

Discrete GPU

Integrated GPU

Hybrid GPU

Market Segment by Applications, can be divided into

Desktops

Notebooks

There are 15 Chapters to deeply display The global Graphics Processing Unit (GPU) market.

Chapter 1, to describe Graphics Processing Unit (GPU) Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of Graphics Processing Unit (GPU), with sales, revenue, and price of Graphics Processing Unit (GPU), in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show The global market by regions, with sales, revenue and market share of Graphics Processing Unit (GPU), for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and

Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) Graphics Processing Unit (...)

by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, Graphics Processing Unit (GPU) market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe Graphics Processing Unit (GPU) sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

Contents

1 MARKET OVERVIEW

- 1.1 Graphics Processing Unit (GPU) Introduction
- 1.2 Market Analysis by Type
 - 1.2.1 Discrete GPU
 - 1.2.2 Integrated GPU
 - 1.2.3 Hybrid GPU
- 1.3 Market Analysis by Applications
 - 1.3.1 Desktops
 - 1.3.2 Notebooks
- 1.4 Market Analysis by Regions
 - 1.4.1 North America (United States, Canada and Mexico)
 - 1.4.1.1 United States Market States and Outlook (2013-2023)
 - 1.4.1.2 Canada Market States and Outlook (2013-2023)
 - 1.4.1.3 Mexico Market States and Outlook (2013-2023)
 - 1.4.2 Europe (Germany, France, UK, Russia and Italy)
 - 1.4.2.1 Germany Market States and Outlook (2013-2023)
 - 1.4.2.2 France Market States and Outlook (2013-2023)
 - 1.4.2.3 UK Market States and Outlook (2013-2023)
 - 1.4.2.4 Russia Market States and Outlook (2013-2023)
 - 1.4.2.5 Italy Market States and Outlook (2013-2023)
 - 1.4.3 Asia-Pacific (China, Japan, Korea, India and Southeast Asia)
 - 1.4.3.1 China Market States and Outlook (2013-2023)
 - 1.4.3.2 Japan Market States and Outlook (2013-2023)
 - 1.4.3.3 Korea Market States and Outlook (2013-2023)
 - 1.4.3.4 India Market States and Outlook (2013-2023)
 - 1.4.3.5 Southeast Asia Market States and Outlook (2013-2023)
 - 1.4.4 South America, Middle East and Africa
 - 1.4.4.1 Brazil Market States and Outlook (2013-2023)
 - 1.4.4.2 Egypt Market States and Outlook (2013-2023)
 - 1.4.4.3 Saudi Arabia Market States and Outlook (2013-2023)
 - 1.4.4.4 South Africa Market States and Outlook (2013-2023)
 - 1.4.4.5 Nigeria Market States and Outlook (2013-2023)
- 1.5 Market Dynamics
 - 1.5.1 Market Opportunities
 - 1.5.2 Market Risk
 - 1.5.3 Market Driving Force

2 MANUFACTURERS PROFILES

2.1 NVIDIA Corporation

2.1.1 Business Overview

2.1.1.1 NVIDIA Corporation Description

2.1.1.2 NVIDIA Corporation Headquarter, Main Business and Finance Overview

2.1.2 NVIDIA Corporation Graphics Processing Unit (GPU) Product Introduction

2.1.2.1 Graphics Processing Unit (GPU) Production Bases, Sales Regions and Major Competitors

2.1.2.2 Graphics Processing Unit (GPU) Product Information

2.1.3 NVIDIA Corporation Graphics Processing Unit (GPU) Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.1.3.1 NVIDIA Corporation Graphics Processing Unit (GPU) Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.1.3.2 Global NVIDIA Corporation Graphics Processing Unit (GPU) Market Share in 2017

2.2 Advanced Micro Devices (AMD)

2.2.1 Business Overview

2.2.1.1 Advanced Micro Devices (AMD) Description

2.2.1.2 Advanced Micro Devices (AMD) Headquarter, Main Business and Finance Overview

2.2.2 Advanced Micro Devices (AMD) Graphics Processing Unit (GPU) Product Introduction

2.2.2.1 Graphics Processing Unit (GPU) Production Bases, Sales Regions and Major Competitors

2.2.2.2 Graphics Processing Unit (GPU) Product Information

2.2.3 Advanced Micro Devices (AMD) Graphics Processing Unit (GPU) Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.2.3.1 Advanced Micro Devices (AMD) Graphics Processing Unit (GPU) Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.2.3.2 Global Advanced Micro Devices (AMD) Graphics Processing Unit (GPU) Market Share in 2017

2.3 Broadcom Corporation

2.3.1 Business Overview

2.3.1.1 Broadcom Corporation Description

2.3.1.2 Broadcom Corporation Headquarter, Main Business and Finance Overview

2.3.2 Broadcom Corporation Graphics Processing Unit (GPU) Product Introduction

2.3.2.1 Graphics Processing Unit (GPU) Production Bases, Sales Regions and Major

Competitors

2.3.2.2 Graphics Processing Unit (GPU) Product Information

2.3.3 Broadcom Corporation Graphics Processing Unit (GPU) Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.3.3.1 Broadcom Corporation Graphics Processing Unit (GPU) Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.3.3.2 Global Broadcom Corporation Graphics Processing Unit (GPU) Market Share in 2017

2.4 ARM Limited

2.4.1 Business Overview

2.4.1.1 ARM Limited Description

2.4.1.2 ARM Limited Headquarter, Main Business and Finance Overview

2.4.2 ARM Limited Graphics Processing Unit (GPU) Product Introduction

2.4.2.1 Graphics Processing Unit (GPU) Production Bases, Sales Regions and Major Competitors

2.4.2.2 Graphics Processing Unit (GPU) Product Information

2.4.3 ARM Limited Graphics Processing Unit (GPU) Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.4.3.1 ARM Limited Graphics Processing Unit (GPU) Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.4.3.2 Global ARM Limited Graphics Processing Unit (GPU) Market Share in 2017

2.5 Imagination Technologies Group

2.5.1 Business Overview

2.5.1.1 Imagination Technologies Group Description

2.5.1.2 Imagination Technologies Group Headquarter, Main Business and Finance Overview

2.5.2 Imagination Technologies Group Graphics Processing Unit (GPU) Product Introduction

2.5.2.1 Graphics Processing Unit (GPU) Production Bases, Sales Regions and Major Competitors

2.5.2.2 Graphics Processing Unit (GPU) Product Information

2.5.3 Imagination Technologies Group Graphics Processing Unit (GPU) Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.5.3.1 Imagination Technologies Group Graphics Processing Unit (GPU) Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.5.3.2 Global Imagination Technologies Group Graphics Processing Unit (GPU) Market Share in 2017

2.6 Intel Corporation

2.6.1 Business Overview

- 2.6.1.1 Intel Corporation Description
- 2.6.1.2 Intel Corporation Headquarter, Main Business and Finance Overview
- 2.6.2 Intel Corporation Graphics Processing Unit (GPU) Product Introduction
 - 2.6.2.1 Graphics Processing Unit (GPU) Production Bases, Sales Regions and Major Competitors
 - 2.6.2.2 Graphics Processing Unit (GPU) Product Information
- 2.6.3 Intel Corporation Graphics Processing Unit (GPU) Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
 - 2.6.3.1 Intel Corporation Graphics Processing Unit (GPU) Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
 - 2.6.3.2 Global Intel Corporation Graphics Processing Unit (GPU) Market Share in 2017
- 2.7 Qualcomm
 - 2.7.1 Business Overview
 - 2.7.1.1 Qualcomm Description
 - 2.7.1.2 Qualcomm Headquarter, Main Business and Finance Overview
 - 2.7.2 Qualcomm Graphics Processing Unit (GPU) Product Introduction
 - 2.7.2.1 Graphics Processing Unit (GPU) Production Bases, Sales Regions and Major Competitors
 - 2.7.2.2 Graphics Processing Unit (GPU) Product Information
 - 2.7.3 Qualcomm Graphics Processing Unit (GPU) Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
 - 2.7.3.1 Qualcomm Graphics Processing Unit (GPU) Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
 - 2.7.3.2 Global Qualcomm Graphics Processing Unit (GPU) Market Share in 2017
- 2.8 Vivante Corporation
 - 2.8.1 Business Overview
 - 2.8.1.1 Vivante Corporation Description
 - 2.8.1.2 Vivante Corporation Headquarter, Main Business and Finance Overview
 - 2.8.2 Vivante Corporation Graphics Processing Unit (GPU) Product Introduction
 - 2.8.2.1 Graphics Processing Unit (GPU) Production Bases, Sales Regions and Major Competitors
 - 2.8.2.2 Graphics Processing Unit (GPU) Product Information
 - 2.8.3 Vivante Corporation Graphics Processing Unit (GPU) Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
 - 2.8.3.1 Vivante Corporation Graphics Processing Unit (GPU) Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
 - 2.8.3.2 Global Vivante Corporation Graphics Processing Unit (GPU) Market Share in 2017

2.9 Silicon Integrated Systems Corporation

2.9.1 Business Overview

2.9.1.1 Silicon Integrated Systems Corporation Description

2.9.1.2 Silicon Integrated Systems Corporation Headquarter, Main Business and Finance Overview

2.9.2 Silicon Integrated Systems Corporation Graphics Processing Unit (GPU) Product Introduction

2.9.2.1 Graphics Processing Unit (GPU) Production Bases, Sales Regions and Major Competitors

2.9.2.2 Graphics Processing Unit (GPU) Product Information

2.9.3 Silicon Integrated Systems Corporation Graphics Processing Unit (GPU) Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.9.3.1 Silicon Integrated Systems Corporation Graphics Processing Unit (GPU) Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.9.3.2 Global Silicon Integrated Systems Corporation Graphics Processing Unit (GPU) Market Share in 2017

2.10 VIA Technologies

2.10.1 Business Overview

2.10.1.1 VIA Technologies Description

2.10.1.2 VIA Technologies Headquarter, Main Business and Finance Overview

2.10.2 VIA Technologies Graphics Processing Unit (GPU) Product Introduction

2.10.2.1 Graphics Processing Unit (GPU) Production Bases, Sales Regions and Major Competitors

2.10.2.2 Graphics Processing Unit (GPU) Product Information

2.10.3 VIA Technologies Graphics Processing Unit (GPU) Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.10.3.1 VIA Technologies Graphics Processing Unit (GPU) Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.10.3.2 Global VIA Technologies Graphics Processing Unit (GPU) Market Share in 2017

3 GLOBAL GRAPHICS PROCESSING UNIT (GPU) MARKET COMPETITION, BY MANUFACTURER

3.1 Global Graphics Processing Unit (GPU) Sales and Market Share by Manufacturer (2016-2017)

3.2 Global Graphics Processing Unit (GPU) Revenue and Market Share by Manufacturer (2016-2017)

3.3 Global Graphics Processing Unit (GPU) Price by Manufacturer (2016-2017)

3.4 Market Concentration Rate

3.4.1 Top 3 Graphics Processing Unit (GPU) Manufacturer Market Share in 2017

3.4.2 Top 5 Graphics Processing Unit (GPU) Manufacturer Market Share in 2017

3.5 Market Competition Trend

4 GLOBAL GRAPHICS PROCESSING UNIT (GPU) MARKET ANALYSIS BY REGIONS

4.1 Global Graphics Processing Unit (GPU) Sales, Revenue and Market Share by Regions

4.1.1 Global Graphics Processing Unit (GPU) Sales by Regions (2013-2018)

4.1.2 Global Graphics Processing Unit (GPU) Revenue by Regions (2013-2018)

4.2 North America Graphics Processing Unit (GPU) Sales, Revenue and Growth Rate (2013-2018)

4.3 Europe Graphics Processing Unit (GPU) Sales, Revenue and Growth Rate (2013-2018)

4.4 Asia-Pacific Graphics Processing Unit (GPU) Sales, Revenue and Growth Rate (2013-2018)

4.5 South America Graphics Processing Unit (GPU) Sales, Revenue and Growth Rate (2013-2018)

4.6 Middle East and Africa Graphics Processing Unit (GPU) Sales, Revenue and Growth Rate (2013-2018)

5 NORTH AMERICA GRAPHICS PROCESSING UNIT (GPU) BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS

5.1 North America Graphics Processing Unit (GPU) Sales, Revenue and Market Share by Countries

5.1.1 North America Graphics Processing Unit (GPU) Sales by Countries (2013-2018)

5.1.2 North America Graphics Processing Unit (GPU) Revenue by Countries (2013-2018)

5.1.3 United States Graphics Processing Unit (GPU) Sales and Growth Rate (2013-2018)

5.1.4 Canada Graphics Processing Unit (GPU) Sales and Growth Rate (2013-2018)

5.1.5 Mexico Graphics Processing Unit (GPU) Sales and Growth Rate (2013-2018)

5.2 North America Graphics Processing Unit (GPU) Sales and Revenue (Value) by Manufacturers (2016-2017)

5.2.1 North America Graphics Processing Unit (GPU) Sales by Manufacturers (2016-2017)

5.2.2 North America Graphics Processing Unit (GPU) Revenue by Manufacturers (2016-2017)

5.3 North America Graphics Processing Unit (GPU) Sales, Revenue and Market Share by Type (2013-2018)

5.3.1 North America Graphics Processing Unit (GPU) Sales and Sales Share by Type (2013-2018)

5.3.2 North America Graphics Processing Unit (GPU) Revenue and Revenue Share by Type (2013-2018)

5.4 North America Graphics Processing Unit (GPU) Sales, Revenue and Market Share by Application (2013-2018)

5.4.1 North America Graphics Processing Unit (GPU) Sales and Sales Share by Application (2013-2018)

5.4.2 North America Graphics Processing Unit (GPU) Revenue and Revenue Share by Application (2013-2018)

6 EUROPE GRAPHICS PROCESSING UNIT (GPU) BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS

6.1 Europe Graphics Processing Unit (GPU) Sales, Revenue and Market Share by Countries

6.1.1 Europe Graphics Processing Unit (GPU) Sales by Countries (2013-2018)

6.1.2 Europe Graphics Processing Unit (GPU) Revenue by Countries (2013-2018)

6.1.3 Germany Graphics Processing Unit (GPU) Sales and Growth Rate (2013-2018)

6.1.4 UK Graphics Processing Unit (GPU) Sales and Growth Rate (2013-2018)

6.1.5 France Graphics Processing Unit (GPU) Sales and Growth Rate (2013-2018)

6.1.6 Russia Graphics Processing Unit (GPU) Sales and Growth Rate (2013-2018)

6.1.7 Italy Graphics Processing Unit (GPU) Sales and Growth Rate (2013-2018)

6.2 Europe Graphics Processing Unit (GPU) Sales and Revenue (Value) by Manufacturers (2016-2017)

6.2.1 Europe Graphics Processing Unit (GPU) Sales by Manufacturers (2016-2017)

6.2.2 Europe Graphics Processing Unit (GPU) Revenue by Manufacturers (2016-2017)

6.3 Europe Graphics Processing Unit (GPU) Sales, Revenue and Market Share by Type (2013-2018)

6.3.1 Europe Graphics Processing Unit (GPU) Sales and Sales Share by Type (2013-2018)

6.3.2 Europe Graphics Processing Unit (GPU) Revenue and Revenue Share by Type (2013-2018)

6.4 Europe Graphics Processing Unit (GPU) Sales, Revenue and Market Share by Application (2013-2018)

6.4.1 Europe Graphics Processing Unit (GPU) Sales and Sales Share by Application (2013-2018)

6.4.2 Europe Graphics Processing Unit (GPU) Revenue and Revenue Share by Application (2013-2018)

7 ASIA-PACIFIC GRAPHICS PROCESSING UNIT (GPU) BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS

7.1 Asia-Pacific Graphics Processing Unit (GPU) Sales, Revenue and Market Share by Countries

7.1.1 Asia-Pacific Graphics Processing Unit (GPU) Sales by Countries (2013-2018)

7.1.2 Asia-Pacific Graphics Processing Unit (GPU) Revenue by Countries (2013-2018)

7.1.3 China Graphics Processing Unit (GPU) Sales and Growth Rate (2013-2018)

7.1.4 Japan Graphics Processing Unit (GPU) Sales and Growth Rate (2013-2018)

7.1.5 Korea Graphics Processing Unit (GPU) Sales and Growth Rate (2013-2018)

7.1.6 India Graphics Processing Unit (GPU) Sales and Growth Rate (2013-2018)

7.1.7 Southeast Asia Graphics Processing Unit (GPU) Sales and Growth Rate (2013-2018)

7.2 Asia-Pacific Graphics Processing Unit (GPU) Sales and Revenue (Value) by Manufacturers (2016-2017)

7.2.1 Asia-Pacific Graphics Processing Unit (GPU) Sales by Manufacturers (2016-2017)

7.2.2 Asia-Pacific Graphics Processing Unit (GPU) Revenue by Manufacturers (2016-2017)

7.3 Asia-Pacific Graphics Processing Unit (GPU) Sales, Revenue and Market Share by Type (2013-2018)

7.3.1 Asia-Pacific Graphics Processing Unit (GPU) Sales and Sales Share by Type (2013-2018)

7.3.2 Asia-Pacific Graphics Processing Unit (GPU) Revenue and Revenue Share by Type (2013-2018)

7.4 Asia-Pacific Graphics Processing Unit (GPU) Sales, Revenue and Market Share by Application (2013-2018)

7.4.1 Asia-Pacific Graphics Processing Unit (GPU) Sales and Sales Share by Application (2013-2018)

7.4.2 Asia-Pacific Graphics Processing Unit (GPU) Revenue and Revenue Share by Application (2013-2018)

8 SOUTH AMERICA GRAPHICS PROCESSING UNIT (GPU) BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS

8.1 South America Graphics Processing Unit (GPU) Sales, Revenue and Market Share by Countries

8.1.1 South America Graphics Processing Unit (GPU) Sales by Countries (2013-2018)

8.1.2 South America Graphics Processing Unit (GPU) Revenue by Countries (2013-2018)

8.1.3 Brazil Graphics Processing Unit (GPU) Sales and Growth Rate (2013-2018)

8.1.4 Argentina Graphics Processing Unit (GPU) Sales and Growth Rate (2013-2018)

8.1.5 Colombia Graphics Processing Unit (GPU) Sales and Growth Rate (2013-2018)

8.2 South America Graphics Processing Unit (GPU) Sales and Revenue (Value) by Manufacturers (2016-2017)

8.2.1 South America Graphics Processing Unit (GPU) Sales by Manufacturers (2016-2017)

8.2.2 South America Graphics Processing Unit (GPU) Revenue by Manufacturers (2016-2017)

8.3 South America Graphics Processing Unit (GPU) Sales, Revenue and Market Share by Type (2013-2018)

8.3.1 South America Graphics Processing Unit (GPU) Sales and Sales Share by Type (2013-2018)

8.3.2 South America Graphics Processing Unit (GPU) Revenue and Revenue Share by Type (2013-2018)

8.4 South America Graphics Processing Unit (GPU) Sales, Revenue and Market Share by Application (2013-2018)

8.4.1 South America Graphics Processing Unit (GPU) Sales and Sales Share by Application (2013-2018)

8.4.2 South America Graphics Processing Unit (GPU) Revenue and Revenue Share by Application (2013-2018)

9 MIDDLE EAST AND AFRICA GRAPHICS PROCESSING UNIT (GPU) BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS

9.1 Middle East and Africa Graphics Processing Unit (GPU) Sales, Revenue and Market Share by Countries

9.1.1 Middle East and Africa Graphics Processing Unit (GPU) Sales by Countries (2013-2018)

9.1.2 Middle East and Africa Graphics Processing Unit (GPU) Revenue by Countries (2013-2018)

9.1.3 Saudi Arabia Graphics Processing Unit (GPU) Sales and Growth Rate (2013-2018)

- 9.1.4 UAE Graphics Processing Unit (GPU) Sales and Growth Rate (2013-2018)
- 9.1.5 Egypt Graphics Processing Unit (GPU) Sales and Growth Rate (2013-2018)
- 9.1.6 Nigeria Graphics Processing Unit (GPU) Sales and Growth Rate (2013-2018)
- 9.1.7 South Africa Graphics Processing Unit (GPU) Sales and Growth Rate (2013-2018)
- 9.2 Middle East and Africa Graphics Processing Unit (GPU) Sales and Revenue (Value) by Manufacturers (2016-2017)
 - 9.2.1 Middle East and Africa Graphics Processing Unit (GPU) Sales by Manufacturers (2016-2017)
 - 9.2.2 Middle East and Africa Graphics Processing Unit (GPU) Revenue by Manufacturers (2016-2017)
- 9.3 Middle East and Africa Graphics Processing Unit (GPU) Sales, Revenue and Market Share by Type (2013-2018)
 - 9.3.1 Middle East and Africa Graphics Processing Unit (GPU) Sales and Sales Share by Type (2013-2018)
 - 9.3.1 Middle East and Africa Graphics Processing Unit (GPU) Revenue and Revenue Share by Type (2013-2018)
- 9.4 Middle East and Africa Graphics Processing Unit (GPU) Sales, Revenue and Market Share by Application (2013-2018)
 - 9.4.1 Middle East and Africa Graphics Processing Unit (GPU) Sales and Sales Share by Application (2013-2018)
 - 9.4.2 Middle East and Africa Graphics Processing Unit (GPU) Revenue and Revenue Share by Application (2013-2018)

10 GLOBAL GRAPHICS PROCESSING UNIT (GPU) MARKET SEGMENT BY TYPE

- 10.1 Global Graphics Processing Unit (GPU) Sales, Revenue and Market Share by Type (2013-2018)
 - 10.1.1 Global Graphics Processing Unit (GPU) Sales and Market Share by Type (2013-2018)
 - 10.1.2 Global Graphics Processing Unit (GPU) Revenue and Market Share by Type (2013-2018)
- 10.2 Discrete GPU Sales Growth and Price
 - 10.2.1 Global Discrete GPU Sales Growth (2013-2018)
 - 10.2.2 Global Discrete GPU Price (2013-2018)
- 10.3 Integrated GPU Sales Growth and Price
 - 10.3.1 Global Integrated GPU Sales Growth (2013-2018)
 - 10.3.2 Global Integrated GPU Price (2013-2018)
- 10.4 Hybrid GPU Sales Growth and Price

10.4.1 Global Hybrid GPU Sales Growth (2013-2018)

10.4.2 Global Hybrid GPU Price (2013-2018)

11 GLOBAL GRAPHICS PROCESSING UNIT (GPU) MARKET SEGMENT BY APPLICATION

11.1 Global Graphics Processing Unit (GPU) Sales Market Share by Application (2013-2018)

11.2 Desktops Sales Growth (2013-2018)

11.3 Notebooks Sales Growth (2013-2018)

12 GRAPHICS PROCESSING UNIT (GPU) MARKET FORECAST (2018-2023)

12.1 Global Graphics Processing Unit (GPU) Sales, Revenue and Growth Rate (2018-2023)

12.2 Graphics Processing Unit (GPU) Market Forecast by Regions (2018-2023)

12.2.1 North America Graphics Processing Unit (GPU) Market Forecast (2018-2023)

12.2.2 Europe Graphics Processing Unit (GPU) Market Forecast (2018-2023)

12.2.3 Asia-Pacific Graphics Processing Unit (GPU) Market Forecast (2018-2023)

12.2.4 South America Graphics Processing Unit (GPU) Market Forecast (2018-2023)

12.2.5 Middle East and Africa Graphics Processing Unit (GPU) Market Forecast (2018-2023)

12.3 Graphics Processing Unit (GPU) Market Forecast by Type (2018-2023)

12.3.1 Global Graphics Processing Unit (GPU) Sales Forecast by Type (2018-2023)

12.3.2 Global Graphics Processing Unit (GPU) Market Share Forecast by Type (2018-2023)

12.4 Graphics Processing Unit (GPU) Market Forecast by Application (2018-2023)

12.4.1 Global Graphics Processing Unit (GPU) Sales Forecast by Application (2018-2023)

12.4.2 Global Graphics Processing Unit (GPU) Market Share Forecast by Application (2018-2023)

13 SALES CHANNEL, DISTRIBUTORS, TRADERS AND DEALERS

13.1 Sales Channel

13.1.1 Direct Marketing

13.1.2 Indirect Marketing

13.1.3 Marketing Channel Future Trend

13.2 Distributors, Traders and Dealers

14 RESEARCH FINDINGS AND CONCLUSION

15 APPENDIX

15.1 Methodology

15.2 Data Source

List Of Tables

LIST OF TABLES AND FIGURES

Figure Graphics Processing Unit (GPU) Picture

Table Product Specifications of Graphics Processing Unit (GPU)

Figure Global Graphics Processing Unit (GPU) CAGR (%), Y-o-Y Growth (&) and Market Size, 2013-2023 (USD Million)

Figure Global Graphics Processing Unit (GPU) CAGR (%), Y-o-Y Growth (&) and Market Size, 2013-2023 (Sales)

Figure Global Sales Market Share of Graphics Processing Unit (GPU) by Types in 2017

Figure Discrete GPU Picture

Table Major Manufacturers of Discrete GPU

Figure Integrated GPU Picture

Table Major Manufacturers of Integrated GPU

Figure Hybrid GPU Picture

Table Major Manufacturers of Hybrid GPU

Figure Graphics Processing Unit (GPU) Sales Market Share by Applications in 2017

Figure Desktops Picture

Figure Notebooks Picture

Figure United States Graphics Processing Unit (GPU) Revenue (Value) and Growth Rate (2013-2023)

Figure Canada Graphics Processing Unit (GPU) Revenue (Value) and Growth Rate (2013-2023)

Figure Mexico Graphics Processing Unit (GPU) Revenue (Value) and Growth Rate (2013-2023)

Figure Germany Graphics Processing Unit (GPU) Revenue (Value) and Growth Rate (2013-2023)

Figure France Graphics Processing Unit (GPU) Revenue (Value) and Growth Rate (2013-2023)

Figure UK Graphics Processing Unit (GPU) Revenue (Value) and Growth Rate (2013-2023)

Figure Russia Graphics Processing Unit (GPU) Revenue (Value) and Growth Rate (2013-2023)

Figure Italy Graphics Processing Unit (GPU) Revenue (Value) and Growth Rate (2013-2023)

Figure China Graphics Processing Unit (GPU) Revenue (Value) and Growth Rate (2013-2023)

Figure Japan Graphics Processing Unit (GPU) Revenue (Value) and Growth Rate

(2013-2023)

Figure Korea Graphics Processing Unit (GPU) Revenue (Value) and Growth Rate (2013-2023)

Figure India Graphics Processing Unit (GPU) Revenue (Value) and Growth Rate (2013-2023)

Figure Southeast Asia Graphics Processing Unit (GPU) Revenue (Value) and Growth Rate (2013-2023)

Figure Brazil Graphics Processing Unit (GPU) Revenue (Value) and Growth Rate (2013-2023)

Figure Egypt Graphics Processing Unit (GPU) Revenue (Value) and Growth Rate (2013-2023)

Figure Saudi Arabia Graphics Processing Unit (GPU) Revenue (Value) and Growth Rate (2013-2023)

Figure South Africa Graphics Processing Unit (GPU) Revenue (Value) and Growth Rate (2013-2023)

Figure Nigeria Graphics Processing Unit (GPU) Revenue (Value) and Growth Rate (2013-2023)

Table NVIDIA Corporation Headquarter, Established, Main Business and Finance Overview (2017)

Table NVIDIA Corporation Graphics Processing Unit (GPU) Production Bases, Sales Regions and Major Competitors

Table NVIDIA Corporation Graphics Processing Unit (GPU) Product

Table NVIDIA Corporation Graphics Processing Unit (GPU) Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global NVIDIA Corporation Graphics Processing Unit (GPU) Sales Market Share in 2017

Figure Global NVIDIA Corporation Graphics Processing Unit (GPU) Revenue Market Share in 2017

Table Advanced Micro Devices (AMD) Headquarter, Established, Main Business and Finance Overview (2017)

Table Advanced Micro Devices (AMD) Graphics Processing Unit (GPU) Production Bases, Sales Regions and Major Competitors

Table Advanced Micro Devices (AMD) Graphics Processing Unit (GPU) Product

Table Advanced Micro Devices (AMD) Graphics Processing Unit (GPU) Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Advanced Micro Devices (AMD) Graphics Processing Unit (GPU) Sales Market Share in 2017

Figure Global Advanced Micro Devices (AMD) Graphics Processing Unit (GPU) Revenue Market Share in 2017

Table Broadcom Corporation Headquarter, Established, Main Business and Finance Overview (2017)

Table Broadcom Corporation Graphics Processing Unit (GPU) Production Bases, Sales Regions and Major Competitors

Table Broadcom Corporation Graphics Processing Unit (GPU) Product

Table Broadcom Corporation Graphics Processing Unit (GPU) Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Broadcom Corporation Graphics Processing Unit (GPU) Sales Market Share in 2017

Figure Global Broadcom Corporation Graphics Processing Unit (GPU) Revenue Market Share in 2017

Table ARM Limited Headquarter, Established, Main Business and Finance Overview (2017)

Table ARM Limited Graphics Processing Unit (GPU) Production Bases, Sales Regions and Major Competitors

Table ARM Limited Graphics Processing Unit (GPU) Product

Table ARM Limited Graphics Processing Unit (GPU) Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global ARM Limited Graphics Processing Unit (GPU) Sales Market Share in 2017

Figure Global ARM Limited Graphics Processing Unit (GPU) Revenue Market Share in 2017

Table Imagination Technologies Group Headquarter, Established, Main Business and Finance Overview (2017)

Table Imagination Technologies Group Graphics Processing Unit (GPU) Production Bases, Sales Regions and Major Competitors

Table Imagination Technologies Group Graphics Processing Unit (GPU) Product

Table Imagination Technologies Group Graphics Processing Unit (GPU) Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Imagination Technologies Group Graphics Processing Unit (GPU) Sales Market Share in 2017

Figure Global Imagination Technologies Group Graphics Processing Unit (GPU) Revenue Market Share in 2017

Table Intel Corporation Headquarter, Established, Main Business and Finance Overview (2017)

Table Intel Corporation Graphics Processing Unit (GPU) Production Bases, Sales Regions and Major Competitors

Table Intel Corporation Graphics Processing Unit (GPU) Product

Table Intel Corporation Graphics Processing Unit (GPU) Sales, Price, Revenue, Gross

Margin and Market Share (2016-2017)

Figure Global Intel Corporation Graphics Processing Unit (GPU) Sales Market Share in 2017

Figure Global Intel Corporation Graphics Processing Unit (GPU) Revenue Market Share in 2017

Table Qualcomm Headquarter, Established, Main Business and Finance Overview (2017)

Table Qualcomm Graphics Processing Unit (GPU) Production Bases, Sales Regions and Major Competitors

Table Qualcomm Graphics Processing Unit (GPU) Product

Table Qualcomm Graphics Processing Unit (GPU) Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Qualcomm Graphics Processing Unit (GPU) Sales Market Share in 2017

Figure Global Qualcomm Graphics Processing Unit (GPU) Revenue Market Share in 2017

Table Vivante Corporation Headquarter, Established, Main Business and Finance Overview (2017)

Table Vivante Corporation Graphics Processing Unit (GPU) Production Bases, Sales Regions and Major Competitors

Table Vivante Corporation Graphics Processing Unit (GPU) Product

Table Vivante Corporation Graphics Processing Unit (GPU) Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Vivante Corporation Graphics Processing Unit (GPU) Sales Market Share in 2017

Figure Global Vivante Corporation Graphics Processing Unit (GPU) Revenue Market Share in 2017

Table Silicon Integrated Systems Corporation Headquarter, Established, Main Business and Finance Overview (2017)

Table Silicon Integrated Systems Corporation Graphics Processing Unit (GPU) Production Bases, Sales Regions and Major Competitors

Table Silicon Integrated Systems Corporation Graphics Processing Unit (GPU) Product

Table Silicon Integrated Systems Corporation Graphics Processing Unit (GPU) Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Silicon Integrated Systems Corporation Graphics Processing Unit (GPU) Sales Market Share in 2017

Figure Global Silicon Integrated Systems Corporation Graphics Processing Unit (GPU) Revenue Market Share in 2017

Table VIA Technologies Headquarter, Established, Main Business and Finance Overview (2017)

Table VIA Technologies Graphics Processing Unit (GPU) Production Bases, Sales Regions and Major Competitors

Table VIA Technologies Graphics Processing Unit (GPU) Product

Table VIA Technologies Graphics Processing Unit (GPU) Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global VIA Technologies Graphics Processing Unit (GPU) Sales Market Share in 2017

Figure Global VIA Technologies Graphics Processing Unit (GPU) Revenue Market Share in 2017

Table Global Graphics Processing Unit (GPU) Sales by Manufacturer (2016-2017)

Figure Global Graphics Processing Unit (GPU) Sales Market Share by Manufacturer in 2016

Figure Global Graphics Processing Unit (GPU) Sales Market Share by Manufacturer in 2017

Table Global Graphics Processing Unit (GPU) Revenue by Manufacturer (2016-2017)

Figure Global Graphics Processing Unit (GPU) Revenue Market Share by Manufacturer in 2016

Figure Global Graphics Processing Unit (GPU) Revenue Market Share by Manufacturer in 2017

Table Global Graphics Processing Unit (GPU) Price by Manufacturer (2016-2017)

Figure Top 3 Graphics Processing Unit (GPU) Manufacturer (Revenue) Market Share in 2017

Figure Top 6 Graphics Processing Unit (GPU) Manufacturer (Revenue) Market Share in 2017

Figure Global Graphics Processing Unit (GPU) Sales and Growth Rate (2013-2018)

Figure Global Graphics Processing Unit (GPU) Revenue and Growth Rate (2013-2018)

Table Global Graphics Processing Unit (GPU) Sales by Regions (2013-2018)

Table Global Graphics Processing Unit (GPU) Sales Market Share by Regions (2013-2018)

Table Global Graphics Processing Unit (GPU) Revenue by Regions (2013-2018)

Figure Global Graphics Processing Unit (GPU) Revenue Market Share by Regions in 2013

Figure Global Graphics Processing Unit (GPU) Revenue Market Share by Regions in 2017

Figure North America Graphics Processing Unit (GPU) Sales and Growth Rate (2013-2018)

Figure North America Graphics Processing Unit (GPU) Revenue and Growth Rate (2013-2018)

Figure Europe Graphics Processing Unit (GPU) Sales and Growth Rate (2013-2018)

Figure Europe Graphics Processing Unit (GPU) Revenue and Growth Rate (2013-2018)

Figure Asia-Pacific Graphics Processing Unit (GPU) Sales and Growth Rate (2013-2018)

Figure Asia-Pacific Graphics Processing Unit (GPU) Revenue and Growth Rate (2013-2018)

Figure South America Graphics Processing Unit (GPU) Sales and Growth Rate (2013-2018)

Figure South America Graphics Processing Unit (GPU) Revenue and Growth Rate (2013-2018)

Figure Middle East and Africa Graphics Processing Unit (GPU) Sales and Growth Rate (2013-2018)

Figure Middle East and Africa Graphics Processing Unit (GPU) Revenue and Growth Rate (2013-2018)

Figure North America Graphics Processing Unit (GPU) Revenue and Growth Rate (2013-2018)

Table North America Graphics Processing Unit (GPU) Sales by Countries (2013-2018)

Table North America Graphics Processing Unit (GPU) Sales Market Share by Countries (2013-2018)

Figure North America Graphics Processing Unit (GPU) Sales Market Share by Countries in 2013

Figure North America Graphics Processing Unit (GPU) Sales Market Share by Countries in 2017

Table North America Graphics Processing Unit (GPU) Revenue by Countries (2013-2018)

Table North America Graphics Processing Unit (GPU) Revenue Market Share by Countries (2013-2018)

Figure North America Graphics Processing Unit (GPU) Revenue Market Share by Countries in 2013

Figure North America Graphics Processing Unit (GPU) Revenue Market Share by Countries in 2017

Figure United States Graphics Processing Unit (GPU) Sales and Growth Rate (2013-2018)

Figure Canada Graphics Processing Unit (GPU) Sales and Growth Rate (2013-2018)

Figure Mexico Graphics Processing Unit (GPU) Sales and Growth Rate (2013-2018)

Table North America Graphics Processing Unit (GPU) Sales by Manufacturer (2016-2017)

Figure North America Graphics Processing Unit (GPU) Sales Market Share by Manufacturer in 2016

Figure North America Graphics Processing Unit (GPU) Sales Market Share by

Manufacturer in 2017

Table North America Graphics Processing Unit (GPU) Revenue by Manufacturer (2016-2017)

Figure North America Graphics Processing Unit (GPU) Revenue Market Share by Manufacturer in 2016

Figure North America Graphics Processing Unit (GPU) Revenue Market Share by Manufacturer in 2017

Table North America Graphics Processing Unit (GPU) Sales by Type (2013-2018)

Table North America Graphics Processing Unit (GPU) Sales Share by Type (2013-2018)

Table North America Graphics Processing Unit (GPU) Revenue by Type (2013-2018)

Table North America Graphics Processing Unit (GPU) Revenue Share by Type (2013-2018)

Table North America Graphics Processing Unit (GPU) Sales by Application (2013-2018)

Table North America Graphics Processing Unit (GPU) Sales Share by Application (2013-2018)

Table North America Graphics Processing Unit (GPU) Revenue by Application (2013-2018)

Table North America Graphics Processing Unit (GPU) Revenue Share by Application (2013-2018)

Figure Europe Graphics Processing Unit (GPU) Revenue and Growth Rate (2013-2018)

Table Europe Graphics Processing Unit (GPU) Sales by Countries (2013-2018)

Table Europe Graphics Processing Unit (GPU) Sales Market Share by Countries (2013-2018)

Table Europe Graphics Processing Unit (GPU) Revenue by Countries (2013-2018)

Figure Europe Graphics Processing Unit (GPU) Revenue Market Share by Countries in 2016

Figure Europe Graphics Processing Unit (GPU) Revenue Market Share by Countries in 2017

Figure Germany Graphics Processing Unit (GPU) Sales and Growth Rate (2013-2018)

Figure UK Graphics Processing Unit (GPU) Sales and Growth Rate (2013-2018)

Figure France Graphics Processing Unit (GPU) Sales and Growth Rate (2013-2018)

Figure Russia Graphics Processing Unit (GPU) Sales and Growth Rate (2013-2018)

Figure Italy Graphics Processing Unit (GPU) Sales and Growth Rate (2013-2018)

Table Europe Graphics Processing Unit (GPU) Sales by Manufacturer (2016-2017)

Figure Europe Graphics Processing Unit (GPU) Sales Market Share by Manufacturer in 2016

Figure Europe Graphics Processing Unit (GPU) Sales Market Share by Manufacturer in 2017

Table Europe Graphics Processing Unit (GPU) Revenue by Manufacturer (2016-2017)

Figure Europe Graphics Processing Unit (GPU) Revenue Market Share by Manufacturer in 2016

Figure Europe Graphics Processing Unit (GPU) Revenue Market Share by Manufacturer in 2017

Table Europe Graphics Processing Unit (GPU) Sales by Type (2013-2018)

Table Europe Graphics Processing Unit (GPU) Sales Share by Type (2013-2018)

Table Europe Graphics Processing Unit (GPU) Revenue by Type (2013-2018)

Table Europe Graphics Processing Unit (GPU) Revenue Share by Type (2013-2018)

Table Europe Graphics Processing Unit (GPU) Sales by Application (2013-2018)

Table Europe Graphics Processing Unit (GPU) Sales Share by Application (2013-2018)

Table Europe Graphics Processing Unit (GPU) Revenue by Application (2013-2018)

Table Europe Graphics Processing Unit (GPU) Revenue Share by Application (2013-2018)

Figure Asia-Pacific Graphics Processing Unit (GPU) Revenue and Growth Rate (2013-2018)

Table Asia-Pacific Graphics Processing Unit (GPU) Sales by Countries (2013-2018)

Table Asia-Pacific Graphics Processing Unit (GPU) Sales Market Share by Countries (2013-2018)

Figure Asia-Pacific Graphics Processing Unit (GPU) Sales Market Share by Countries 2017

Table Asia-Pacific Graphics Processing Unit (GPU) Revenue by Countries (2013-2018)

Figure Asia-Pacific Graphics Processing Unit (GPU) Revenue Market Share by Countries 2017

Figure China Graphics Processing Unit (GPU) Sales and Growth Rate (2013-2018)

Figure Japan Graphics Processing Unit (GPU) Sales and Growth Rate (2013-2018)

Figure Korea Graphics Processing Unit (GPU) Sales and Growth Rate (2013-2018)

Figure India Graphics Processing Unit (GPU) Sales and Growth Rate (2013-2018)

Figure Southeast Asia Graphics Processing Unit (GPU) Sales and Growth Rate (2013-2018)

Table Asia-Pacific Graphics Processing Unit (GPU) Sales by Manufacturer (2016-2017)

Figure Asia-Pacific Graphics Processing Unit (GPU) Sales Market Share by Manufacturer in 2016

Figure Asia-Pacific Graphics Processing Unit (GPU) Sales Market Share by Manufacturer in 2017

Table Asia-Pacific Graphics Processing Unit (GPU) Revenue by Manufacturer (2016-2017)

Figure Asia-Pacific Graphics Processing Unit (GPU) Revenue Market Share by Manufacturer in 2016

Figure Asia-Pacific Graphics Processing Unit (GPU) Revenue Market Share by Manufacturer in 2017

Table Asia-Pacific Graphics Processing Unit (GPU) Sales by Type (2013-2018)

Table Asia-Pacific Graphics Processing Unit (GPU) Sales Share by Type (2013-2018)

Table Asia-Pacific Graphics Processing Unit (GPU) Revenue by Type (2013-2018)

Table Asia-Pacific Graphics Processing Unit (GPU) Revenue Share by Type (2013-2018)

Table Asia-Pacific Graphics Processing Unit (GPU) Sales by Application (2013-2018)

Table Asia-Pacific Graphics Processing Unit (GPU) Sales Share by Application (2013-2018)

Table Asia-Pacific Graphics Processing Unit (GPU) Revenue by Application (2013-2018)

Table Asia-Pacific Graphics Processing Unit (GPU) Revenue Share by Application (2013-2018)

Figure South America Graphics Processing Unit (GPU) Revenue and Growth Rate (2013-2018)

Table South America Graphics Processing Unit (GPU) Sales by Countries (2013-2018)

Table South America Graphics Processing Unit (GPU) Sales Market Share by Countries (2013-2018)

Figure South America Graphics Processing Unit (GPU) Sales Market Share by Countries in 2017

Table South America Graphics Processing Unit (GPU) Revenue by Countries (2013-2018)

Table South America Graphics Processing Unit (GPU) Revenue Market Share by Countries (2013-2018)

Figure South America Graphics Processing Unit (GPU) Revenue Market Share by Countries in 2017

Figure Brazil Graphics Processing Unit (GPU) Sales and Growth Rate (2013-2018)

Figure Argentina Graphics Processing Unit (GPU) Sales and Growth Rate (2013-2018)

Figure Colombia Graphics Processing Unit (GPU) Sales and Growth Rate (2013-2018)

Table South America Graphics Processing Unit (GPU) Sales by Manufacturer (2016-2017)

Figure South America Graphics Processing Unit (GPU) Sales Market Share by Manufacturer in 2016

Figure South America Graphics Processing Unit (GPU) Sales Market Share by Manufacturer in 2017

Table South America Graphics Processing Unit (GPU) Revenue by Manufacturer (2016-2017)

Figure South America Graphics Processing Unit (GPU) Revenue Market Share by

Manufacturer in 2016

Figure South America Graphics Processing Unit (GPU) Revenue Market Share by Manufacturer in 2017

Table South America Graphics Processing Unit (GPU) Sales by Type (2013-2018)

Table South America Graphics Processing Unit (GPU) Sales Share by Type (2013-2018)

Table South America Graphics Processing Unit (GPU) Revenue by Type (2013-2018)

Table South America Graphics Processing Unit (GPU) Revenue Share by Type (2013-2018)

Table South America Graphics Processing Unit (GPU) Sales by Application (2013-2018)

Table South America Graphics Processing Unit (GPU) Sales Share by Application (2013-2018)

Table South America Graphics Processing Unit (GPU) Revenue by Application (2013-2018)

Table South America Graphics Processing Unit (GPU) Revenue Share by Application (2013-2018)

Figure Middle East and Africa Graphics Processing Unit (GPU) Revenue and Growth Rate (2013-2018)

Table Middle East and Africa Graphics Processing Unit (GPU) Sales by Countries (2013-2018)

Table Middle East and Africa Graphics Processing Unit (GPU) Sales Market Share by Countries (2013-2018)

Figure Middle East and Africa Graphics Processing Unit (GPU) Sales Market Share by Countries in 2017

Table Middle East and Africa Graphics Processing Unit (GPU) Revenue by Countries (2013-2018)

Table Middle East and Africa Graphics Processing Unit (GPU) Revenue Market Share by Countries (2013-2018)

Figure Middle East and Africa Graphics Processing Unit (GPU) Revenue Market Share by Countries in 2013

Figure Middle East and Africa Graphics Processing Unit (GPU) Revenue Market Share by Countries in 2017

Figure Saudi Arabia Graphics Processing Unit (GPU) Sales and Growth Rate (2013-2018)

Figure UAE Graphics Processing Unit (GPU) Sales and Growth Rate (2013-2018)

Figure Egypt Graphics Processing Unit (GPU) Sales and Growth Rate (2013-2018)

Figure Nigeria Graphics Processing Unit (GPU) Sales and Growth Rate (2013-2018)

Figure South Africa Graphics Processing Unit (GPU) Sales and Growth Rate

(2013-2018)

Table Middle East and Africa Graphics Processing Unit (GPU) Sales by Manufacturer
(2016-2017)

Figure Middle East and Africa Graphics Processing Unit (GPU) Sales Market Share by
Manufacturer in 2016

Figure Middle East and Africa Graphics Processing Unit (GPU) Sales Market Share by
Manufacturer in 2017

Table Middle East and Africa Graphics Processing Unit (GPU) Revenue by
Manufacturer (2016-2017)

Figure Middle East and Africa Graphics Processing Unit (GPU) Revenue Market Share
by Manufacturer in 2016

Figure Middle East and Africa Graphics Processing Unit (GPU) Revenue Market Share
by Manufacturer in 2017

Table Middle East and Africa Graphics Processing Unit (GPU) Sales by Type
(2013-2018)

Table Middle East and Africa Graphics Processing Unit (GPU) Sales Share by Type
(2013-2018)

Table Middle East and Africa Graphics Processing Unit (GPU) Revenue by Type
(2013-2018)

Table Middle East and Africa Graphics Processing Unit (GPU) Revenue Share by Type
(2013-2018)

Table Middle East and Africa Graphics Processing Unit (GPU) Sales by Application
(2013-2018)

Table Middle East and Africa Graphics Processing Unit (GPU) Sales Share by
Application (2013-2018)

Table Middle East and Africa Graphics Processing Unit (GPU) Revenue by Application
(2013-2018)

Table Middle East and Africa Graphics Processing Unit (GPU) Revenue Share by
Application (2013-2018)

Table Global Graphics Processing Unit (GPU) Sales by Type (2013-2018)

Table Global Graphics Processing Unit (GPU) Sales Share by Type (2013-2018)

Table Global Graphics Processing Unit (GPU) Revenue by Type (2013-2018)

Table Global Graphics Processing Unit (GPU) Revenue Share by Type (2013-2018)

Figure Global Discrete GPU Sales Growth (2013-2018)

Figure Global Discrete GPU Price (2013-2018)

Figure Global Integrated GPU Sales Growth (2013-2018)

Figure Global Integrated GPU Price (2013-2018)

Figure Global Hybrid GPU Sales Growth (2013-2018)

Figure Global Hybrid GPU Price (2013-2018)

Table Global Graphics Processing Unit (GPU) Sales by Application (2013-2018)
Table Global Graphics Processing Unit (GPU) Sales Share by Application (2013-2018)
Figure Global Desktops Sales Growth (2013-2018)
Figure Global Notebooks Sales Growth (2013-2018)
Figure Global Graphics Processing Unit (GPU) Sales, Revenue and Growth Rate (2018-2023)
Table Global Graphics Processing Unit (GPU) Sales Forecast by Regions (2018-2023)
Table Global Graphics Processing Unit (GPU) Market Share Forecast by Regions (2018-2023)
Figure North America Sales Graphics Processing Unit (GPU) Market Forecast (2018-2023)
Figure Europe Sales Graphics Processing Unit (GPU) Market Forecast (2018-2023)
Figure Asia-Pacific Sales Graphics Processing Unit (GPU) Market Forecast (2018-2023)
Figure South America Sales Graphics Processing Unit (GPU) Market Forecast (2018-2023)
Figure Middle East and Africa Sales Graphics Processing Unit (GPU) Market Forecast (2018-2023)
Table Global Graphics Processing Unit (GPU) Sales Forecast by Type (2018-2023)
Table Global Graphics Processing Unit (GPU) Market Share Forecast by Type (2018-2023)
Table Global Graphics Processing Unit (GPU) Sales Forecast by Application (2018-2023)
Table Global Graphics Processing Unit (GPU) Market Share Forecast by Application (2018-2023)
Table Distributors/Traders/ Dealers List

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