



Global Professional Grade Discrete GPU Market by Size, by Type, by Application, by Region, History and Forecast 2021-2032

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Electronics & Semiconductor	2026-07-07	195	PDF

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Description

The global Professional Grade Discrete GPU market is projected to grow from US\$ million in 2026 to US\$ million by 2032, implying a CAGR of % over 2026-2032.

The US & Canada market for Professional Grade Discrete GPU is projected to increase from US\$ million in 2026 to US\$ million by 2032, at a CAGR of % over 2026-2032.

The Europe market for Professional Grade Discrete GPU is projected to increase from US\$ million in 2026 to US\$ million by 2032, at a CAGR of % over 2026-2032.

The Asia Pacific market for Professional Grade Discrete GPU is projected to increase from US\$ million in 2026 to US\$ million by 2032, at a CAGR of % over 2026-2032.

The China market for Professional Grade Discrete GPU is projected to increase from US\$ million in 2026 to US\$ million by 2032, at a CAGR of % over 2026-2032.

Leading global manufacturers of Professional Grade Discrete GPU include NVIDIA, AMD, Intel, ARM, Matrox, Imagination Technologies, Qualcomm, Vivante Corporation and S3 Graphics, among others. In 2025, the top three vendors together accounted for approximately % of global revenue.

On the production side, the report examines Professional Grade Discrete GPU output, growth rates, and market shares by manufacturer and by region (at regional and country level) for 2021-2026, with forecasts through 2032.

On the consumption side, the report analyzes sales of Professional Grade Discrete GPU by region (regional and country level), company, type, and application for 2021-2026 and provides forecasts through 2032.

The report provides an overview of the global Professional Grade Discrete GPU market in terms of capacity, output, revenue, and price, analyzing global market trends using historical revenue and sales data for 2021-2025, estimates for 2026, and projected CAGRs through 2032.

The study covers key producers of Professional Grade Discrete GPU and consumption patterns in major regions and countries, assesses future market potential, and highlights priority regions and countries for segmenting the market into sub-sectors, with country-specific market value data for the U.S., Canada, Mexico, Brazil, China, Japan, South Korea, Southeast Asia, India, Germany, the U.K., Italy, the Middle East, Africa, and other countries.

The report also presents Professional Grade Discrete GPU sales, revenue, market share, and industry ranking for the main manufacturers for 2021-2026, identifies the major stakeholders in the global market, and analyzes their competitive landscape and market positioning based on recent developments and segmental revenues.

In addition, the report analyzes segment data by type and application—covering sales, revenue, and price—for 2021-2032, and evaluates and forecasts the Professional Grade Discrete GPU market size, projected growth

trends, production technologies, key applications, and end-use industries.

Professional Grade Discrete GPU Segment by Company

- NVIDIA
- AMD
- Intel
- ARM
- Matrox
- Imagination Technologies
- Qualcomm
- Vivante Corporation
- S3 Graphics
- VIA Technologies
- PowerVR
- Fujitsu
- Siemens
- 3DLabs
- SGI
- Intrinsicity

Professional Grade Discrete GPU Segment by Type

- Scientific Computing GPU
- Engineering DesignGPU
- Medical Imaging GPU
- Deep Learning GPU
- Visual Effects GPU

Professional Grade Discrete GPU Segment by Application

- Scientific Research
- Engineering Design
- Medical Imaging
- Deep Learning and Artificial Intelligence
- Manufacturing

Professional Grade Discrete GPU Segment by Region

- North America
- United States
- Canada
- Mexico
- Europe
- Germany
- France
- U.K.
- Italy
- Russia
- Spain
- Netherlands
- Switzerland
- Sweden
- Poland

Asia-Pacific

China

Japan

South Korea

India

Australia

Taiwan

Southeast Asia

South America

Brazil

Argentina

Chile

Middle East & Africa

Egypt

South Africa

Israel

Türkiye

GCC Countries

Study Objectives

1. To analyze and research the global status and future forecast, involving, production, value, consumption, growth rate (CAGR), market share, historical and forecast.
2. To present the key manufacturers, capacity, production, revenue, market share, and Recent Developments.
3. To split the breakdown data by regions, type, manufacturers, and Application.
4. To analyze the global and key regions market potential and advantage, opportunity and challenge, restraints, and risks.
5. To identify significant trends, drivers, influence factors in global and regions.
6. To analyze competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.

Reasons to Buy This Report

1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global Professional Grade Discrete GPU market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.
2. This report will help stakeholders to understand the global industry status and trends of Professional Grade Discrete GPU and provides them with information on key market drivers, restraints, challenges, and opportunities.
3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.
4. This report stays updated with novel technology integration, features, and the latest developments in the market.
5. This report helps stakeholders to gain insights into which regions to target globally.
6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of Professional Grade Discrete GPU.
7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

Chapter Outline

Chapter 1:

Provides an overview of the Professional Grade Discrete GPU market, including product definition, global market growth prospects, production value, capacity, and average price forecasts (2021-2032).

Chapter 2:

Analysis key trends, drivers, challenges, and opportunities within the global Professional Grade Discrete GPU industry.

Chapter 3:

Detailed analysis of Professional Grade Discrete GPU market competition landscape. Including Professional Grade Discrete GPU manufacturers' output value, output and average price from 2021 to 2026, as well as competition analysis indicators such as origin, product type, application, merger and acquisition information, etc.

Chapter 4:

Provides the analysis of various market segments by type, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 5:

Provides the analysis of various market segments by application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 6:

Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product production/output, value, price, gross margin, product introduction, recent development, etc.

Chapter 7:

Production/Production Value of Professional Grade Discrete GPU by region. It provides a quantitative analysis of the market size and development potential of each region in the next six years.

Chapter 8:

Consumption of Professional Grade Discrete GPU in regional level and country level. It provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and production of each country in the world.

Chapter 9:

Analysis of industrial chain, including the upstream and downstream of the industry.

Chapter 10:

Concluding Insights of the report.

Table of Contents

1 Market Overview

- 1.1 Product Definition
- 1.2 Global Market Growth Prospects
 - 1.2.1 Global Professional Grade Discrete GPU Production Value Estimates and Forecasts (2021-2032)
 - 1.2.2 Global Professional Grade Discrete GPU Production Capacity Estimates and Forecasts (2021-2032)
 - 1.2.3 Global Professional Grade Discrete GPU Production Estimates and Forecasts (2021-2032)
 - 1.2.4 Global Professional Grade Discrete GPU Market Average Price (2021-2032)
- 1.3 Assumptions and Limitations
- 1.4 Study Goals and Objectives

2 Global Professional Grade Discrete GPU Market Dynamics

- 2.1 Professional Grade Discrete GPU Industry Trends
- 2.2 Professional Grade Discrete GPU Industry Drivers
- 2.3 Professional Grade Discrete GPU Industry Opportunities and Challenges
- 2.4 Professional Grade Discrete GPU Industry Restraints

3 Professional Grade Discrete GPU Market by Manufacturers

- 3.1 Global Professional Grade Discrete GPU Production Value by Manufacturers (2021-2026)
- 3.2 Global Professional Grade Discrete GPU Production by Manufacturers (2021-2026)
- 3.3 Global Professional Grade Discrete GPU Average Price by Manufacturers (2021-2026)
- 3.4 Global Professional Grade Discrete GPU Industry Manufacturers Ranking, 2024 VS 2025 VS 2026
- 3.5 Global Professional Grade Discrete GPU Key Manufacturers Manufacturing Sites & Headquarters
- 3.6 Global Professional Grade Discrete GPU Manufacturers, Product Type & Application
- 3.7 Global Professional Grade Discrete GPU Manufacturers Established Date
- 3.8 Market Competitive Analysis
 - 3.8.1 Global Professional Grade Discrete GPU Market CR5 and HHI
 - 3.8.2 Global Top 5 and 10 Professional Grade Discrete GPU Players Market Share by Production Value in 2025
 - 3.8.3 2025 Professional Grade Discrete GPU Tier 1, Tier 2, and Tier 3

4 Professional Grade Discrete GPU Market by Type

- 4.1 Professional Grade Discrete GPU Type Introduction
 - 4.1.1 Scientific Computing GPU
 - 4.1.2 Engineering DesignGPU
 - 4.1.3 Medical Imaging GPU
 - 4.1.4 Deep Learning GPU
 - 4.1.5 Visual Effects GPU
- 4.2 Global Professional Grade Discrete GPU Production by Type
 - 4.2.1 Global Professional Grade Discrete GPU Production by Type (2021 VS 2025 VS 2032)
 - 4.2.2 Global Professional Grade Discrete GPU Production by Type (2021-2032)
 - 4.2.3 Global Professional Grade Discrete GPU Production Market Share by Type (2021-2032)
- 4.3 Global Professional Grade Discrete GPU Production Value by Type
 - 4.3.1 Global Professional Grade Discrete GPU Production Value by Type (2021 VS 2025 VS 2032)
 - 4.3.2 Global Professional Grade Discrete GPU Production Value by Type (2021-2032)
 - 4.3.3 Global Professional Grade Discrete GPU Production Value Market Share by Type (2021-2032)

5 Professional Grade Discrete GPU Market by Application

5.1 Professional Grade Discrete GPU Application Introduction

- 5.1.1 Scientific Research
- 5.1.2 Engineering Design
- 5.1.3 Medical Imaging
- 5.1.4 Deep Learning and Artificial Intelligence
- 5.1.5 Manufacturing

5.2 Global Professional Grade Discrete GPU Production by Application

- 5.2.1 Global Professional Grade Discrete GPU Production by Application (2021 VS 2025 VS 2032)
- 5.2.2 Global Professional Grade Discrete GPU Production by Application (2021-2032)
- 5.2.3 Global Professional Grade Discrete GPU Production Market Share by Application (2021-2032)

5.3 Global Professional Grade Discrete GPU Production Value by Application

- 5.3.1 Global Professional Grade Discrete GPU Production Value by Application (2021 VS 2025 VS 2032)
- 5.3.2 Global Professional Grade Discrete GPU Production Value by Application (2021-2032)
- 5.3.3 Global Professional Grade Discrete GPU Production Value Market Share by Application (2021-2032)

6 Company Profiles

6.1 NVIDIA

- 6.1.1 NVIDIA Company Information
- 6.1.2 NVIDIA Business Overview
- 6.1.3 NVIDIA Professional Grade Discrete GPU Production, Value and Gross Margin (2021-2026)
- 6.1.4 NVIDIA Professional Grade Discrete GPU Product Portfolio
- 6.1.5 NVIDIA Recent Developments

6.2 AMD

- 6.2.1 AMD Company Information
- 6.2.2 AMD Business Overview
- 6.2.3 AMD Professional Grade Discrete GPU Production, Value and Gross Margin (2021-2026)
- 6.2.4 AMD Professional Grade Discrete GPU Product Portfolio
- 6.2.5 AMD Recent Developments

6.3 Intel

- 6.3.1 Intel Company Information
- 6.3.2 Intel Business Overview
- 6.3.3 Intel Professional Grade Discrete GPU Production, Value and Gross Margin (2021-2026)
- 6.3.4 Intel Professional Grade Discrete GPU Product Portfolio
- 6.3.5 Intel Recent Developments

6.4 ARM

- 6.4.1 ARM Company Information
- 6.4.2 ARM Business Overview
- 6.4.3 ARM Professional Grade Discrete GPU Production, Value and Gross Margin (2021-2026)
- 6.4.4 ARM Professional Grade Discrete GPU Product Portfolio
- 6.4.5 ARM Recent Developments

6.5 Matrox

- 6.5.1 Matrox Company Information
- 6.5.2 Matrox Business Overview
- 6.5.3 Matrox Professional Grade Discrete GPU Production, Value and Gross Margin (2021-2026)
- 6.5.4 Matrox Professional Grade Discrete GPU Product Portfolio
- 6.5.5 Matrox Recent Developments

6.6 Imagination Technologies

- 6.6.1 Imagination Technologies Company Information
- 6.6.2 Imagination Technologies Business Overview

6.6.3 Imagination Technologies Professional Grade Discrete GPU Production, Value and Gross Margin (2021-2026)

6.6.4 Imagination Technologies Professional Grade Discrete GPU Product Portfolio

6.6.5 Imagination Technologies Recent Developments

6.7 Qualcomm

6.7.1 Qualcomm Company Information

6.7.2 Qualcomm Business Overview

6.7.3 Qualcomm Professional Grade Discrete GPU Production, Value and Gross Margin (2021-2026)

6.7.4 Qualcomm Professional Grade Discrete GPU Product Portfolio

6.7.5 Qualcomm Recent Developments

6.8 Vivante Corporation

6.8.1 Vivante Corporation Company Information

6.8.2 Vivante Corporation Business Overview

6.8.3 Vivante Corporation Professional Grade Discrete GPU Production, Value and Gross Margin (2021-2026)

6.8.4 Vivante Corporation Professional Grade Discrete GPU Product Portfolio

6.8.5 Vivante Corporation Recent Developments

6.9 S3 Graphics

6.9.1 S3 Graphics Company Information

6.9.2 S3 Graphics Business Overview

6.9.3 S3 Graphics Professional Grade Discrete GPU Production, Value and Gross Margin (2021-2026)

6.9.4 S3 Graphics Professional Grade Discrete GPU Product Portfolio

6.9.5 S3 Graphics Recent Developments

6.10 VIA Technologies

6.10.1 VIA Technologies Company Information

6.10.2 VIA Technologies Business Overview

6.10.3 VIA Technologies Professional Grade Discrete GPU Production, Value and Gross Margin (2021-2026)

6.10.4 VIA Technologies Professional Grade Discrete GPU Product Portfolio

6.10.5 VIA Technologies Recent Developments

6.11 PowerVR

6.11.1 PowerVR Company Information

6.11.2 PowerVR Business Overview

6.11.3 PowerVR Professional Grade Discrete GPU Production, Value and Gross Margin (2021-2026)

6.11.4 PowerVR Professional Grade Discrete GPU Product Portfolio

6.11.5 PowerVR Recent Developments

6.12 Fujitsu

6.12.1 Fujitsu Company Information

6.12.2 Fujitsu Business Overview

6.12.3 Fujitsu Professional Grade Discrete GPU Production, Value and Gross Margin (2021-2026)

6.12.4 Fujitsu Professional Grade Discrete GPU Product Portfolio

6.12.5 Fujitsu Recent Developments

6.13 Siemens

6.13.1 Siemens Company Information

6.13.2 Siemens Business Overview

6.13.3 Siemens Professional Grade Discrete GPU Production, Value and Gross Margin (2021-2026)

6.13.4 Siemens Professional Grade Discrete GPU Product Portfolio

6.13.5 Siemens Recent Developments

6.14 3DLabs

6.14.1 3DLabs Company Information

6.14.2 3DLabs Business Overview

- 6.14.3 3DLabs Professional Grade Discrete GPU Production, Value and Gross Margin (2021-2026)
- 6.14.4 3DLabs Professional Grade Discrete GPU Product Portfolio
- 6.14.5 3DLabs Recent Developments
- 6.15 SGI
 - 6.15.1 SGI Company Information
 - 6.15.2 SGI Business Overview
 - 6.15.3 SGI Professional Grade Discrete GPU Production, Value and Gross Margin (2021-2026)
 - 6.15.4 SGI Professional Grade Discrete GPU Product Portfolio
 - 6.15.5 SGI Recent Developments
- 6.16 Intrinsicity
 - 6.16.1 Intrinsicity Company Information
 - 6.16.2 Intrinsicity Business Overview
 - 6.16.3 Intrinsicity Professional Grade Discrete GPU Production, Value and Gross Margin (2021-2026)
 - 6.16.4 Intrinsicity Professional Grade Discrete GPU Product Portfolio
 - 6.16.5 Intrinsicity Recent Developments

7 Global Professional Grade Discrete GPU Production by Region

- 7.1 Global Professional Grade Discrete GPU Production by Region: 2021 VS 2025 VS 2032
- 7.2 Global Professional Grade Discrete GPU Production by Region (2021-2032)
 - 7.2.1 Global Professional Grade Discrete GPU Production by Region (2021-2026)
 - 7.2.2 Global Professional Grade Discrete GPU Production Forecast by Region (2027-2032)
- 7.3 Global Professional Grade Discrete GPU Production by Region: 2021 VS 2025 VS 2032
- 7.4 Global Professional Grade Discrete GPU Production Value by Region (2021-2032)
 - 7.4.1 Global Professional Grade Discrete GPU Production Value by Region (2021-2026)
 - 7.4.2 Global Professional Grade Discrete GPU Production Value by Region (2027-2032)
- 7.5 Global Professional Grade Discrete GPU Market Price Analysis by Region (2021-2032)
- 7.6 Regional Production Value Trends (2021-2032)
 - 7.6.1 North America Professional Grade Discrete GPU Production Value (2021-2032)
 - 7.6.2 Europe Professional Grade Discrete GPU Production Value (2021-2032)
 - 7.6.3 Asia-Pacific Professional Grade Discrete GPU Production Value (2021-2032)
 - 7.6.4 South America Professional Grade Discrete GPU Production Value (2021-2032)
 - 7.6.5 Middle East & Africa Professional Grade Discrete GPU Production Value (2021-2032)

8 Global Professional Grade Discrete GPU Consumption by Region

- 8.1 Global Professional Grade Discrete GPU Consumption by Region: 2021 VS 2025 VS 2032
- 8.2 Global Professional Grade Discrete GPU Consumption by Region (2021-2032)
 - 8.2.1 Global Professional Grade Discrete GPU Consumption by Region (2021-2026)
 - 8.2.2 Global Professional Grade Discrete GPU Consumption by Region (2027-2032)
- 8.3 North America
 - 8.3.1 North America Professional Grade Discrete GPU Consumption Growth Rate by Country: 2021 VS 2025 VS 2032
 - 8.3.2 North America Professional Grade Discrete GPU Consumption by Country (2021-2032)
 - 8.3.3 U.S.
 - 8.3.4 Canada
 - 8.3.5 Mexico
- 8.4 Europe
 - 8.4.1 Europe Professional Grade Discrete GPU Consumption Growth Rate by Country: 2021 VS 2025 VS 2032
 - 8.4.2 Europe Professional Grade Discrete GPU Consumption by Country (2021-2032)
 - 8.4.3 Germany
 - 8.4.4 France

8.4.5 U.K.

8.4.6 Italy

8.4.7 Netherlands

8.5 Asia Pacific

8.5.1 Asia Pacific Professional Grade Discrete GPU Consumption Growth Rate by Country: 2021 VS 2025 VS 2032

8.5.2 Asia Pacific Professional Grade Discrete GPU Consumption by Country (2021-2032)

8.5.3 China

8.5.4 Japan

8.5.5 South Korea

8.5.6 Southeast Asia

8.5.7 India

8.5.8 Australia

8.6 South America

8.6.1 South America Professional Grade Discrete GPU Consumption Growth Rate by Country: 2021 VS 2025 VS 2032

8.6.2 South America Professional Grade Discrete GPU Consumption by Country (2021-2032)

8.6.3 Brazil

8.6.4 Argentina

8.6.5 Chile

8.6.6 Colombia

8.7 Middle East & Africa

8.7.1 Middle East & Africa Professional Grade Discrete GPU Consumption Growth Rate by Country: 2021 VS 2025 VS 2032

8.7.2 Middle East & Africa Professional Grade Discrete GPU Consumption by Country (2021-2032)

8.7.3 Egypt

8.7.4 South Africa

8.7.5 Israel

8.7.6 Türkiye

8.7.7 GCC Countries

9 Value Chain and Sales Channels Analysis

9.1 Professional Grade Discrete GPU Value Chain Analysis

9.1.1 Professional Grade Discrete GPU Key Raw Materials

9.1.2 Raw Materials Key Suppliers

9.1.3 Manufacturing Cost Structure

9.1.4 Professional Grade Discrete GPU Production Mode & Process

9.2 Professional Grade Discrete GPU Sales Channels Analysis

9.2.1 Direct Comparison with Distribution Share

9.2.2 Professional Grade Discrete GPU Distributors

9.2.3 Professional Grade Discrete GPU Customers

10 Concluding Insights

11 Appendix

11.1 Reasons for Doing This Study

11.2 Research Methodology

11.3 Research Process

11.4 Authors List of This Report

11.5 Data Source

11.5.1 Secondary Sources

11.5.2 Primary Sources

11.6 Disclaimer

List of Tables and Figures

List of Tables:

- Table 1: Professional Grade Discrete GPU Industry Trends
- Table 2: Professional Grade Discrete GPU Industry Drivers
- Table 3: Professional Grade Discrete GPU Industry Opportunities and Challenges
- Table 4: Professional Grade Discrete GPU Industry Restraints
- Table 5: Global Professional Grade Discrete GPU Production Value by Manufacturers (US\$ Million) & (2021-2026)
- Table 6: Global Professional Grade Discrete GPU Production Value Share by Manufacturers (2021-2026)
- Table 7: Global Professional Grade Discrete GPU Production by Manufacturers (k units) & (2021-2026)
- Table 8: Global Professional Grade Discrete GPU Production Market Share by Manufacturers
- Table 9: Global Professional Grade Discrete GPU Average Price (USD/unit) of Manufacturers (2021-2026)
- Table 10: Global Professional Grade Discrete GPU Industry Manufacturers Ranking, 2024 VS 2025 VS 2026
- Table 11: Global Professional Grade Discrete GPU Key Manufacturers Manufacturing Sites & Headquarters
- Table 12: Global Professional Grade Discrete GPU Manufacturers, Product Type & Application
- Table 13: Global Professional Grade Discrete GPU Manufacturers Established Date
- Table 14: Global Manufacturers Market Concentration Ratio (CR5 and HHI)
- Table 15: Global Professional Grade Discrete GPU by Manufacturers Type (Tier 1, Tier 2, and Tier 3) & (based on the Production Value of 2025)
- Table 16: Major Manufacturers of Scientific Computing GPU
- Table 17: Major Manufacturers of Engineering DesignGPU
- Table 18: Major Manufacturers of Medical Imaging GPU
- Table 19: Major Manufacturers of Deep Learning GPU
- Table 20: Major Manufacturers of Visual Effects GPU
- Table 21: Global Professional Grade Discrete GPU Production by Type 2021 VS 2025 VS 2032 (k units)
- Table 22: Global Professional Grade Discrete GPU Production by Type (2021-2026) & (k units)
- Table 23: Global Professional Grade Discrete GPU Production by Type (2027-2032) & (k units)
- Table 24: Global Professional Grade Discrete GPU Production Market Share by Type (2021-2026)
- Table 25: Global Professional Grade Discrete GPU Production Market Share by Type (2027-2032)
- Table 26: Global Professional Grade Discrete GPU Production Value by Type 2021 VS 2025 VS 2032 (k units)
- Table 27: Global Professional Grade Discrete GPU Production Value by Type (2021-2026) & (k units)
- Table 28: Global Professional Grade Discrete GPU Production Value by Type (2027-2032) & (k units)
- Table 29: Global Professional Grade Discrete GPU Production Value Market Share by Type (2021-2026)
- Table 30: Global Professional Grade Discrete GPU Production Value Market Share by Type (2027-2032)
- Table 31: Major Manufacturers of Scientific Research
- Table 32: Major Manufacturers of Engineering Design
- Table 33: Major Manufacturers of Medical Imaging
- Table 34: Major Manufacturers of Deep Learning and Artificial Intelligence
- Table 35: Major Manufacturers of Manufacturing
- Table 36: Global Professional Grade Discrete GPU Production by Application 2021 VS 2025 VS 2032 (k units)
- Table 37: Global Professional Grade Discrete GPU Production by Application (2021-2026) & (k units)
- Table 38: Global Professional Grade Discrete GPU Production by Application (2027-2032) & (k units)
- Table 39: Global Professional Grade Discrete GPU Production Market Share by Application (2021-2026)
- Table 40: Global Professional Grade Discrete GPU Production Market Share by Application (2027-2032)
- Table 41: Global Professional Grade Discrete GPU Production Value by Application 2021 VS 2025 VS 2032 (k units)
- Table 42: Global Professional Grade Discrete GPU Production Value by Application (2021-2026) & (k units)
- Table 43: Global Professional Grade Discrete GPU Production Value by Application (2027-2032) & (k units)
- Table 44: Global Professional Grade Discrete GPU Production Value Market Share by Application (2021-2026)
- Table 45: Global Professional Grade Discrete GPU Production Value Market Share by Application (2027-2032)
- Table 46: NVIDIA Company Information
- Table 47: NVIDIA Business Overview
- Table 48: NVIDIA Professional Grade Discrete GPU Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 49: NVIDIA Professional Grade Discrete GPU Product Portfolio
- Table 50: NVIDIA Recent Development
- Table 51: AMD Company Information
- Table 52: AMD Business Overview
- Table 53: AMD Professional Grade Discrete GPU Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin

(2021-2026)

- Table 54: AMD Professional Grade Discrete GPU Product Portfolio
- Table 55: AMD Recent Development
- Table 56: Intel Company Information
- Table 57: Intel Business Overview
- Table 58: Intel Professional Grade Discrete GPU Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin

(2021-2026)

- Table 59: Intel Professional Grade Discrete GPU Product Portfolio
- Table 60: Intel Recent Development
- Table 61: ARM Company Information
- Table 62: ARM Business Overview
- Table 63: ARM Professional Grade Discrete GPU Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin

(2021-2026)

- Table 64: ARM Professional Grade Discrete GPU Product Portfolio
- Table 65: ARM Recent Development
- Table 66: Matrox Company Information
- Table 67: Matrox Business Overview
- Table 68: Matrox Professional Grade Discrete GPU Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)

- Table 69: Matrox Professional Grade Discrete GPU Product Portfolio

- Table 70: Matrox Recent Development

- Table 71: Imagination Technologies Company Information

- Table 72: Imagination Technologies Business Overview

- Table 73: Imagination Technologies Professional Grade Discrete GPU Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)

- Table 74: Imagination Technologies Professional Grade Discrete GPU Product Portfolio

- Table 75: Imagination Technologies Recent Development

- Table 76: Qualcomm Company Information

- Table 77: Qualcomm Business Overview

- Table 78: Qualcomm Professional Grade Discrete GPU Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)

- Table 79: Qualcomm Professional Grade Discrete GPU Product Portfolio

- Table 80: Qualcomm Recent Development

- Table 81: Vivante Corporation Company Information

- Table 82: Vivante Corporation Business Overview

- Table 83: Vivante Corporation Professional Grade Discrete GPU Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)

- Table 84: Vivante Corporation Professional Grade Discrete GPU Product Portfolio

- Table 85: Vivante Corporation Recent Development

- Table 86: S3 Graphics Company Information

- Table 87: S3 Graphics Business Overview

- Table 88: S3 Graphics Professional Grade Discrete GPU Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)

- Table 89: S3 Graphics Professional Grade Discrete GPU Product Portfolio

- Table 90: S3 Graphics Recent Development

- Table 91: VIA Technologies Company Information

- Table 92: VIA Technologies Business Overview

- Table 93: VIA Technologies Professional Grade Discrete GPU Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)

- Table 94: VIA Technologies Professional Grade Discrete GPU Product Portfolio

- Table 95: VIA Technologies Recent Development

- Table 96: PowerVR Company Information

- Table 97: PowerVR Business Overview

- Table 98: PowerVR Professional Grade Discrete GPU Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)

- Table 99: PowerVR Professional Grade Discrete GPU Product Portfolio

- Table 100: PowerVR Recent Development

- Table 101: Fujitsu Company Information

- Table 102: Fujitsu Business Overview

- Table 103: Fujitsu Professional Grade Discrete GPU Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)

- Table 104: Fujitsu Professional Grade Discrete GPU Product Portfolio

- Table 105: Fujitsu Recent Development

- Table 106: Siemens Company Information

- Table 107: Siemens Business Overview

- Table 108: Siemens Professional Grade Discrete GPU Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 109: Siemens Professional Grade Discrete GPU Product Portfolio
- Table 110: Siemens Recent Development
- Table 111: 3DLabs Company Information
- Table 112: 3DLabs Business Overview
- Table 113: 3DLabs Professional Grade Discrete GPU Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 114: 3DLabs Professional Grade Discrete GPU Product Portfolio
- Table 115: 3DLabs Recent Development
- Table 116: SGI Company Information
- Table 117: SGI Business Overview
- Table 118: SGI Professional Grade Discrete GPU Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 119: SGI Professional Grade Discrete GPU Product Portfolio
- Table 120: SGI Recent Development
- Table 121: Intrinsicity Company Information
- Table 122: Intrinsicity Business Overview
- Table 123: Intrinsicity Professional Grade Discrete GPU Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 124: Intrinsicity Professional Grade Discrete GPU Product Portfolio
- Table 125: Intrinsicity Recent Development
- Table 126: Global Professional Grade Discrete GPU Production by Region: 2021 VS 2025 VS 2032 (k units)
- Table 127: Global Professional Grade Discrete GPU Production by Region (2021-2026) & (k units)
- Table 128: Global Professional Grade Discrete GPU Production Market Share by Region (2021-2026)
- Table 129: Global Professional Grade Discrete GPU Production Forecast by Region (2027-2032) & (k units)
- Table 130: Global Professional Grade Discrete GPU Production Market Share Forecast by Region (2027-2032)
- Table 131: Global Professional Grade Discrete GPU Production Value Comparison by Region: 2021 VS 2025 VS 2032 (US\$ Million)
- Table 132: Global Professional Grade Discrete GPU Production Value by Region (2021-2026) & (US\$ Million)
- Table 133: Global Professional Grade Discrete GPU Production Value Share by Region (2021-2026)
- Table 134: Global Professional Grade Discrete GPU Production Value by Region (2027-2032) & (US\$ Million)
- Table 135: Global Professional Grade Discrete GPU Production Value Share by Region: (2027-2032) & (US\$ Million)
- Table 136: Global Professional Grade Discrete GPU Market Average Price (USD/unit) by Region (2021-2026)
- Table 137: Global Professional Grade Discrete GPU Market Average Price (USD/unit) by Region (2027-2032)
- Table 138: Global Professional Grade Discrete GPU Consumption by Region: 2021 VS 2025 VS 2032 (k units)
- Table 139: Global Professional Grade Discrete GPU Consumption by Region (2021-2026) & (k units)
- Table 140: Global Professional Grade Discrete GPU Consumption Market Share by Region (2021-2026)
- Table 141: Global Professional Grade Discrete GPU Consumption Forecasted by Region (2027-2032) & (k units)
- Table 142: Global Professional Grade Discrete GPU Consumption Forecasted Market Share by Region (2027-2032)
- Table 143: North America Professional Grade Discrete GPU Consumption Growth Rate by Country: 2021 VS 2025 VS 2032 (k units)
- Table 144: North America Professional Grade Discrete GPU Consumption by Country (2021-2026) & (k units)
- Table 145: North America Professional Grade Discrete GPU Consumption by Country (2027-2032) & (k units)
- Table 146: Europe Professional Grade Discrete GPU Consumption Growth Rate by Country: 2021 VS 2025 VS 2032 (k units)
- Table 147: Europe Professional Grade Discrete GPU Consumption by Country (2021-2026) & (k units)
- Table 148: Europe Professional Grade Discrete GPU Consumption by Country (2027-2032) & (k units)
- Table 149: Asia Pacific Professional Grade Discrete GPU Consumption Growth Rate by Country: 2021 VS 2025 VS 2032 (k units)
- Table 150: Asia Pacific Professional Grade Discrete GPU Consumption by Country (2021-2026) & (k units)
- Table 151: Asia Pacific Professional Grade Discrete GPU Consumption by Country (2027-2032) & (k units)
- Table 152: South America Professional Grade Discrete GPU Consumption Growth Rate by Country: 2021 VS 2025 VS 2032 (k units)
- Table 153: South America Professional Grade Discrete GPU Consumption by Country (2021-2026) & (k units)
- Table 154: South America Professional Grade Discrete GPU Consumption by Country (2027-2032) & (k units)
- Table 155: Middle East & Africa Professional Grade Discrete GPU Consumption Growth Rate by Country: 2021 VS 2025 VS 2032 (k units)
- Table 156: Middle East & Africa Professional Grade Discrete GPU Consumption by Country (2021-2026) & (k units)
- Table 157: Middle East & Africa Professional Grade Discrete GPU Consumption by Country (2027-2032) & (k units)
- Table 158: Key Raw Materials
- Table 159: Raw Materials Key Suppliers
- Table 160: Professional Grade Discrete GPU Distributors List
- Table 161: Professional Grade Discrete GPU Customers List
- Table 162: Research Programs/Design for This Report
- Table 163: Authors List of This Report

- Table 164: Secondary Sources
- Table 165: Primary Sources

List of Figures:

- Figure 1: Professional Grade Discrete GPU Product Image
- Figure 2: Global Professional Grade Discrete GPU Production Value (US\$ Million), 2021 VS 2025 VS 2032
- Figure 3: Global Professional Grade Discrete GPU Production Value (2021-2032) & (US\$ Million)
- Figure 4: Global Professional Grade Discrete GPU Production Capacity (2021-2032) & (k units)
- Figure 5: Global Professional Grade Discrete GPU Production (2021-2032) & (k units)
- Figure 6: Global Professional Grade Discrete GPU Average Price (USD/unit) & (2021-2032)
- Figure 7: Global Top 5 and 10 Professional Grade Discrete GPU Players Market Share by Production Value in 2025
- Figure 8: Manufacturers Type (Tier 1, Tier 2, and Tier 3): 2021 VS 2025
- Figure 9: Scientific Computing GPU Image
- Figure 10: Engineering DesignGPU Image
- Figure 11: Medical Imaging GPU Image
- Figure 12: Deep Learning GPU Image
- Figure 13: Visual Effects GPU Image
- Figure 14: Global Professional Grade Discrete GPU Production by Type (2021 VS 2025 VS 2032) & (k units)
- Figure 15: Global Professional Grade Discrete GPU Production Market Share 2021 VS 2025 VS 2032
- Figure 16: Global Professional Grade Discrete GPU Production Market Share by Type (2021-2032)
- Figure 17: Global Professional Grade Discrete GPU Production Value by Type (2021 VS 2025 VS 2032) & (k units)
- Figure 18: Global Professional Grade Discrete GPU Production Value Share 2021 VS 2025 VS 2032
- Figure 19: Global Professional Grade Discrete GPU Production Value Share by Type (2021-2032)
- Figure 20: Scientific Research Image
- Figure 21: Engineering Design Image
- Figure 22: Medical Imaging Image
- Figure 23: Deep Learning and Artificial Intelligence Image
- Figure 24: Manufacturing Image
- Figure 25: Global Professional Grade Discrete GPU Production by Application (2021 VS 2025 VS 2032) & (k units)
- Figure 26: Global Professional Grade Discrete GPU Production Market Share 2021 VS 2025 VS 2032
- Figure 27: Global Professional Grade Discrete GPU Production Market Share by Application (2021-2032)
- Figure 28: Global Professional Grade Discrete GPU Production Value by Application (2021 VS 2025 VS 2032) & (k units)
- Figure 29: Global Professional Grade Discrete GPU Production Value Share 2021 VS 2025 VS 2032
- Figure 30: Global Professional Grade Discrete GPU Production Value Share by Application (2021-2032)
- Figure 31: Global Professional Grade Discrete GPU Production by Region: 2021 VS 2025 VS 2032 (k units)
- Figure 32: Global Professional Grade Discrete GPU Production Market Share by Region: 2021 VS 2025 VS 2032
- Figure 33: Global Professional Grade Discrete GPU Production Value Comparison by Region: 2021 VS 2025 VS 2032 (US\$ Million)
- Figure 34: Global Professional Grade Discrete GPU Production Value Share by Region: 2021 VS 2025 VS 2032
- Figure 35: North America Professional Grade Discrete GPU Production Value (2021-2032) & (US\$ Million)
- Figure 36: Europe Professional Grade Discrete GPU Production Value (2021-2032) & (US\$ Million)
- Figure 37: Asia-Pacific Professional Grade Discrete GPU Production Value (2021-2032) & (US\$ Million)
- Figure 38: South America Professional Grade Discrete GPU Production Value (2021-2032) & (US\$ Million)
- Figure 39: Middle East & Africa Professional Grade Discrete GPU Production Value (2021-2032) & (US\$ Million)
- Figure 40: North America Professional Grade Discrete GPU Consumption and Growth Rate (2021-2032) & (k units)
- Figure 41: North America Professional Grade Discrete GPU Consumption Market Share by Country (2021-2032)
- Figure 42: U.S. Professional Grade Discrete GPU Consumption and Growth Rate (2021-2032) & (k units)
- Figure 43: Canada Professional Grade Discrete GPU Consumption and Growth Rate (2021-2032) & (k units)
- Figure 44: Mexico Professional Grade Discrete GPU Consumption and Growth Rate (2021-2032) & (k units)
- Figure 45: Europe Professional Grade Discrete GPU Consumption and Growth Rate (2021-2032) & (k units)
- Figure 46: Europe Professional Grade Discrete GPU Consumption Market Share by Country (2021-2032)
- Figure 47: Germany Professional Grade Discrete GPU Consumption and Growth Rate (2021-2032) & (k units)
- Figure 48: France Professional Grade Discrete GPU Consumption and Growth Rate (2021-2032) & (k units)
- Figure 49: U.K. Professional Grade Discrete GPU Consumption and Growth Rate (2021-2032) & (k units)
- Figure 50: Italy Professional Grade Discrete GPU Consumption and Growth Rate (2021-2032) & (k units)
- Figure 51: Netherlands Professional Grade Discrete GPU Consumption and Growth Rate (2021-2032) & (k units)
- Figure 52: Asia Pacific Professional Grade Discrete GPU Consumption and Growth Rate (2021-2032) & (k units)
- Figure 53: Asia Pacific Professional Grade Discrete GPU Consumption Market Share by Country (2021-2032)
- Figure 54: China Professional Grade Discrete GPU Consumption and Growth Rate (2021-2032) & (k units)
- Figure 55: Japan Professional Grade Discrete GPU Consumption and Growth Rate (2021-2032) & (k units)
- Figure 56: South Korea Professional Grade Discrete GPU Consumption and Growth Rate (2021-2032) & (k units)
- Figure 57: Southeast Asia Professional Grade Discrete GPU Consumption and Growth Rate (2021-2032) & (k units)
- Figure 58: India Professional Grade Discrete GPU Consumption and Growth Rate (2021-2032) & (k units)

- Figure 59: Australia Professional Grade Discrete GPU Consumption and Growth Rate (2021-2032) & (k units)
- Figure 60: South America Professional Grade Discrete GPU Consumption and Growth Rate (2021-2032) & (k units)
- Figure 61: South America Professional Grade Discrete GPU Consumption Market Share by Country (2021-2032)
- Figure 62: Brazil Professional Grade Discrete GPU Consumption and Growth Rate (2021-2032) & (k units)
- Figure 63: Argentina Professional Grade Discrete GPU Consumption and Growth Rate (2021-2032) & (k units)
- Figure 64: Chile Professional Grade Discrete GPU Consumption and Growth Rate (2021-2032) & (k units)
- Figure 65: Middle East & Africa Professional Grade Discrete GPU Consumption and Growth Rate (2021-2032) & (k units)
- Figure 66: Middle East & Africa Professional Grade Discrete GPU Consumption Market Share by Country (2021-2032)
- Figure 67: Egypt Professional Grade Discrete GPU Consumption and Growth Rate (2021-2032) & (k units)
- Figure 68: South Africa Professional Grade Discrete GPU Consumption and Growth Rate (2021-2032) & (k units)
- Figure 69: Israel Professional Grade Discrete GPU Consumption and Growth Rate (2021-2032) & (k units)
- Figure 70: Türkiye Professional Grade Discrete GPU Consumption and Growth Rate (2021-2032) & (k units)
- Figure 71: GCC Countries Professional Grade Discrete GPU Consumption and Growth Rate (2021-2032) & (k units)
- Figure 72: Professional Grade Discrete GPU Value Chain
- Figure 73: Manufacturing Cost Structure
- Figure 74: Professional Grade Discrete GPU Production Mode & Process
- Figure 75: Direct Comparison with Distribution Share
- Figure 76: Distributors Profiles
- Figure 77: Years Considered
- Figure 78: Research Process
- Figure 79: Key Executives Interviewed