

# Global Human Interface Device Controller Chips Market Growth 2026-2032

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## Abstracts

The global Human Interface Device Controller Chips market size is predicted to grow from US\$ 4109 million in 2025 to US\$ 7159 million in 2032; it is expected to grow at a CAGR of 8.3% from 2026 to 2032.

In 2025, the global production capacity of human interface controller chips was approximately 3,111 million units, while actual global production reached around 2,333 million units. The average global market price was about US\$ 1.8 per unit, and the gross profit margin ranged between 30% and 55%. Production is concentrated in regions with advanced semiconductor fabrication, packaging, and testing capabilities.

Human interface controller chips are specialized integrated circuits that manage data input from human interface devices such as keyboards, mice, touchscreens, and game controllers. They handle signal processing, communication protocols, power management, and interface control, ensuring accurate, fast, and reliable user input. These chips are widely used in PCs, laptops, tablets, smartphones, gaming consoles, industrial control systems, and medical devices.

The industrial chain of human interface controller chips includes upstream silicon wafers, packaging materials, and electronic components. The midstream involves IC design, wafer fabrication, assembly, testing, and firmware integration. Downstream applications cover consumer electronics, industrial automation, gaming, medical equipment, and IoT devices. Supporting services include driver and firmware development, calibration, compliance testing, and after-sales technical support.

The human interface controller chip market is driven by rising demand for faster, more reliable, and energy-efficient input processing in consumer electronics, industrial

automation, and gaming devices. Growth in touch-based devices, gesture controls, and multi-input systems fuels the need for high-performance controller ICs. Technological trends include integration with low-power management, AI-assisted input processing, and multi-device connectivity. Manufacturers focus on improving chip accuracy, latency, and reliability while reducing cost and power consumption. Overall, the market is expected to grow steadily due to continued expansion in PCs, smartphones, tablets, gaming consoles, industrial control, and IoT applications.

LP Information, Inc. (LPI) ' newest research report, the “Human Interface Device Controller Chips Industry Forecast” looks at past sales and reviews total world Human Interface Device Controller Chips sales in 2025, providing a comprehensive analysis by region and market sector of projected Human Interface Device Controller Chips sales for 2026 through 2032. With Human Interface Device Controller Chips sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Human Interface Device Controller Chips industry.

This Insight Report provides a comprehensive analysis of the global Human Interface Device Controller Chips landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Human Interface Device Controller Chips portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Human Interface Device Controller Chips market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Human Interface Device Controller Chips and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Human Interface Device Controller Chips.

This report presents a comprehensive overview, market shares, and growth opportunities of Human Interface Device Controller Chips market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Keyboard Controller Chips

Mouse Controller Chips

Touchscreen Controller Chips

Game Controller Chips

Voice Input Controller Chips

Segmentation by Interface Type:

USB HID Controller Chips

I<sup>2</sup>C HID Controller Chips

SPI HID Controller Chips

Bluetooth HID Controller Chips

Segmentation by Application:

Personal Computers & Laptops

Gaming Consoles & VR/AR Devices

Industrial Automation Systems

Smart Home Devices

Wearable Devices

Others

This report also splits the market by region:

## Americas

United States

Canada

Mexico

Brazil

## APAC

China

Japan

Korea

Southeast Asia

India

Australia

## Europe

Germany

France

UK

Italy

Russia

## Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Microchip Technology

NXP Semiconductors

Texas Instruments

STMicroelectronics

Renesas Electronics

Cypress Semiconductor

Analog Devices

Broadcom

NVIDIA

ROHM Semiconductor

Prolific Technology Inc.

Synaptics

Bridgetek Pte Ltd.

Wincom

#### Key Questions Addressed in this Report

What is the 10-year outlook for the global Human Interface Device Controller Chips market?

What factors are driving Human Interface Device Controller Chips market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Human Interface Device Controller Chips market opportunities vary by end market size?

How does Human Interface Device Controller Chips break out by Type, by Application?

## Contents

### 1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

### 2 EXECUTIVE SUMMARY

#### 2.1 World Market Overview

- 2.1.1 Global Human Interface Device Controller Chips Annual Sales 2021-2032
- 2.1.2 World Current & Future Analysis for Human Interface Device Controller Chips by Geographic Region, 2021, 2025 & 2032
- 2.1.3 World Current & Future Analysis for Human Interface Device Controller Chips by Country/Region, 2021, 2025 & 2032

#### 2.2 Human Interface Device Controller Chips Segment by Type

- 2.2.1 Keyboard Controller Chips
- 2.2.2 Mouse Controller Chips
- 2.2.3 Touchscreen Controller Chips
- 2.2.4 Game Controller Chips
- 2.2.5 Voice Input Controller Chips
- 2.2.6 Human Interface Device Controller Chips Sales by Type
  - 2.2.6.1 Global Human Interface Device Controller Chips Sales Market Share by Type (2021-2026)
  - 2.2.6.2 Global Human Interface Device Controller Chips Revenue and Market Share by Type (2021-2026)
  - 2.2.6.3 Global Human Interface Device Controller Chips Sale Price by Type (2021-2026)

#### 2.3 Human Interface Device Controller Chips Segment by Interface Type

- 2.3.1 USB HID Controller Chips
- 2.3.2 I<sup>2</sup>C HID Controller Chips
- 2.3.3 SPI HID Controller Chips
- 2.3.4 Bluetooth HID Controller Chips

### 2.3.5 Human Interface Device Controller Chips Sales by Interface Type

2.3.5.1 Global Human Interface Device Controller Chips Sales Market Share by Interface Type (2021-2026)

2.3.5.2 Global Human Interface Device Controller Chips Revenue and Market Share by Interface Type (2021-2026)

2.3.5.3 Global Human Interface Device Controller Chips Sale Price by Interface Type (2021-2026)

### 2.4 Human Interface Device Controller Chips Segment by Application

2.4.1 Personal Computers & Laptops

2.4.2 Gaming Consoles & VR/AR Devices

2.4.3 Industrial Automation Systems

2.4.4 Smart Home Devices

2.4.5 Wearable Devices

2.4.6 Others

2.4.7 Human Interface Device Controller Chips Sales by Application

2.4.7.1 Global Human Interface Device Controller Chips Sale Market Share by Application (2021-2026)

2.4.7.2 Global Human Interface Device Controller Chips Revenue and Market Share by Application (2021-2026)

2.4.7.3 Global Human Interface Device Controller Chips Sale Price by Application (2021-2026)

## **3 GLOBAL BY COMPANY**

### 3.1 Global Human Interface Device Controller Chips Breakdown Data by Company

3.1.1 Global Human Interface Device Controller Chips Annual Sales by Company (2021-2026)

3.1.2 Global Human Interface Device Controller Chips Sales Market Share by Company (2021-2026)

3.2 Global Human Interface Device Controller Chips Annual Revenue by Company (2021-2026)

3.2.1 Global Human Interface Device Controller Chips Revenue by Company (2021-2026)

3.2.2 Global Human Interface Device Controller Chips Revenue Market Share by Company (2021-2026)

3.3 Global Human Interface Device Controller Chips Sale Price by Company

3.4 Key Manufacturers Human Interface Device Controller Chips Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Human Interface Device Controller Chips Product Location

## Distribution

3.4.2 Players Human Interface Device Controller Chips Products Offered

## 3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

## 3.6 New Products and Potential Entrants

## 3.7 Market M&A Activity & Strategy

# **4 WORLD HISTORIC REVIEW FOR HUMAN INTERFACE DEVICE CONTROLLER CHIPS BY GEOGRAPHIC REGION**

## 4.1 World Historic Human Interface Device Controller Chips Market Size by Geographic Region (2021-2026)

4.1.1 Global Human Interface Device Controller Chips Annual Sales by Geographic Region (2021-2026)

4.1.2 Global Human Interface Device Controller Chips Annual Revenue by Geographic Region (2021-2026)

## 4.2 World Historic Human Interface Device Controller Chips Market Size by Country/Region (2021-2026)

4.2.1 Global Human Interface Device Controller Chips Annual Sales by Country/Region (2021-2026)

4.2.2 Global Human Interface Device Controller Chips Annual Revenue by Country/Region (2021-2026)

## 4.3 Americas Human Interface Device Controller Chips Sales Growth

## 4.4 APAC Human Interface Device Controller Chips Sales Growth

## 4.5 Europe Human Interface Device Controller Chips Sales Growth

## 4.6 Middle East & Africa Human Interface Device Controller Chips Sales Growth

# **5 AMERICAS**

## 5.1 Americas Human Interface Device Controller Chips Sales by Country

5.1.1 Americas Human Interface Device Controller Chips Sales by Country (2021-2026)

5.1.2 Americas Human Interface Device Controller Chips Revenue by Country (2021-2026)

## 5.2 Americas Human Interface Device Controller Chips Sales by Type (2021-2026)

5.3 Americas Human Interface Device Controller Chips Sales by Application (2021-2026)

## 5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

## **6 APAC**

6.1 APAC Human Interface Device Controller Chips Sales by Region

6.1.1 APAC Human Interface Device Controller Chips Sales by Region (2021-2026)

6.1.2 APAC Human Interface Device Controller Chips Revenue by Region  
(2021-2026)

6.2 APAC Human Interface Device Controller Chips Sales by Type (2021-2026)

6.3 APAC Human Interface Device Controller Chips Sales by Application (2021-2026)

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 China Taiwan

## **7 EUROPE**

7.1 Europe Human Interface Device Controller Chips by Country

7.1.1 Europe Human Interface Device Controller Chips Sales by Country (2021-2026)

7.1.2 Europe Human Interface Device Controller Chips Revenue by Country  
(2021-2026)

7.2 Europe Human Interface Device Controller Chips Sales by Type (2021-2026)

7.3 Europe Human Interface Device Controller Chips Sales by Application (2021-2026)

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

## **8 MIDDLE EAST & AFRICA**

8.1 Middle East & Africa Human Interface Device Controller Chips by Country

8.1.1 Middle East & Africa Human Interface Device Controller Chips Sales by Country  
(2021-2026)

- 8.1.2 Middle East & Africa Human Interface Device Controller Chips Revenue by Country (2021-2026)
- 8.2 Middle East & Africa Human Interface Device Controller Chips Sales by Type (2021-2026)
- 8.3 Middle East & Africa Human Interface Device Controller Chips Sales by Application (2021-2026)
- 8.4 Egypt
- 8.5 South Africa
- 8.6 Israel
- 8.7 Turkey
- 8.8 GCC Countries

## **9 MARKET DRIVERS, CHALLENGES AND TRENDS**

- 9.1 Market Drivers & Growth Opportunities
- 9.2 Market Challenges & Risks
- 9.3 Industry Trends

## **10 MANUFACTURING COST STRUCTURE ANALYSIS**

- 10.1 Raw Material and Suppliers
- 10.2 Manufacturing Cost Structure Analysis of Human Interface Device Controller Chips
- 10.3 Manufacturing Process Analysis of Human Interface Device Controller Chips
- 10.4 Industry Chain Structure of Human Interface Device Controller Chips

## **11 MARKETING, DISTRIBUTORS AND CUSTOMER**

- 11.1 Sales Channel
  - 11.1.1 Direct Channels
  - 11.1.2 Indirect Channels
- 11.2 Human Interface Device Controller Chips Distributors
- 11.3 Human Interface Device Controller Chips Customer

## **12 WORLD FORECAST REVIEW FOR HUMAN INTERFACE DEVICE CONTROLLER CHIPS BY GEOGRAPHIC REGION**

- 12.1 Global Human Interface Device Controller Chips Market Size Forecast by Region
  - 12.1.1 Global Human Interface Device Controller Chips Forecast by Region (2027-2032)

12.1.2 Global Human Interface Device Controller Chips Annual Revenue Forecast by Region (2027-2032)

12.2 Americas Forecast by Country (2027-2032)

12.3 APAC Forecast by Region (2027-2032)

12.4 Europe Forecast by Country (2027-2032)

12.5 Middle East & Africa Forecast by Country (2027-2032)

12.6 Global Human Interface Device Controller Chips Forecast by Type (2027-2032)

12.7 Global Human Interface Device Controller Chips Forecast by Application (2027-2032)

## **13 KEY PLAYERS ANALYSIS**

13.1 Microchip Technology

13.1.1 Microchip Technology Company Information

13.1.2 Microchip Technology Human Interface Device Controller Chips Product Portfolios and Specifications

13.1.3 Microchip Technology Human Interface Device Controller Chips Sales, Revenue, Price and Gross Margin (2021-2026)

13.1.4 Microchip Technology Main Business Overview

13.1.5 Microchip Technology Latest Developments

13.2 NXP Semiconductors

13.2.1 NXP Semiconductors Company Information

13.2.2 NXP Semiconductors Human Interface Device Controller Chips Product Portfolios and Specifications

13.2.3 NXP Semiconductors Human Interface Device Controller Chips Sales, Revenue, Price and Gross Margin (2021-2026)

13.2.4 NXP Semiconductors Main Business Overview

13.2.5 NXP Semiconductors Latest Developments

13.3 Texas Instruments

13.3.1 Texas Instruments Company Information

13.3.2 Texas Instruments Human Interface Device Controller Chips Product Portfolios and Specifications

13.3.3 Texas Instruments Human Interface Device Controller Chips Sales, Revenue, Price and Gross Margin (2021-2026)

13.3.4 Texas Instruments Main Business Overview

13.3.5 Texas Instruments Latest Developments

13.4 STMicroelectronics

13.4.1 STMicroelectronics Company Information

13.4.2 STMicroelectronics Human Interface Device Controller Chips Product Portfolios

## and Specifications

13.4.3 STMicroelectronics Human Interface Device Controller Chips Sales, Revenue, Price and Gross Margin (2021-2026)

13.4.4 STMicroelectronics Main Business Overview

13.4.5 STMicroelectronics Latest Developments

## 13.5 Renesas Electronics

13.5.1 Renesas Electronics Company Information

13.5.2 Renesas Electronics Human Interface Device Controller Chips Product

### Portfolios and Specifications

13.5.3 Renesas Electronics Human Interface Device Controller Chips Sales, Revenue, Price and Gross Margin (2021-2026)

13.5.4 Renesas Electronics Main Business Overview

13.5.5 Renesas Electronics Latest Developments

## 13.6 Cypress Semiconductor

13.6.1 Cypress Semiconductor Company Information

13.6.2 Cypress Semiconductor Human Interface Device Controller Chips Product

### Portfolios and Specifications

13.6.3 Cypress Semiconductor Human Interface Device Controller Chips Sales, Revenue, Price and Gross Margin (2021-2026)

13.6.4 Cypress Semiconductor Main Business Overview

13.6.5 Cypress Semiconductor Latest Developments

## 13.7 Analog Devices

13.7.1 Analog Devices Company Information

13.7.2 Analog Devices Human Interface Device Controller Chips Product Portfolios and Specifications

13.7.3 Analog Devices Human Interface Device Controller Chips Sales, Revenue, Price and Gross Margin (2021-2026)

13.7.4 Analog Devices Main Business Overview

13.7.5 Analog Devices Latest Developments

## 13.8 Broadcom

13.8.1 Broadcom Company Information

13.8.2 Broadcom Human Interface Device Controller Chips Product Portfolios and Specifications

13.8.3 Broadcom Human Interface Device Controller Chips Sales, Revenue, Price and Gross Margin (2021-2026)

13.8.4 Broadcom Main Business Overview

13.8.5 Broadcom Latest Developments

## 13.9 NVIDIA

13.9.1 NVIDIA Company Information

13.9.2 NVIDIA Human Interface Device Controller Chips Product Portfolios and Specifications

13.9.3 NVIDIA Human Interface Device Controller Chips Sales, Revenue, Price and Gross Margin (2021-2026)

13.9.4 NVIDIA Main Business Overview

13.9.5 NVIDIA Latest Developments

13.10 ROHM Semiconductor

13.10.1 ROHM Semiconductor Company Information

13.10.2 ROHM Semiconductor Human Interface Device Controller Chips Product Portfolios and Specifications

13.10.3 ROHM Semiconductor Human Interface Device Controller Chips Sales, Revenue, Price and Gross Margin (2021-2026)

13.10.4 ROHM Semiconductor Main Business Overview

13.10.5 ROHM Semiconductor Latest Developments

13.11 Prolific Technology Inc.

13.11.1 Prolific Technology Inc. Company Information

13.11.2 Prolific Technology Inc. Human Interface Device Controller Chips Product Portfolios and Specifications

13.11.3 Prolific Technology Inc. Human Interface Device Controller Chips Sales, Revenue, Price and Gross Margin (2021-2026)

13.11.4 Prolific Technology Inc. Main Business Overview

13.11.5 Prolific Technology Inc. Latest Developments

13.12 Synaptics

13.12.1 Synaptics Company Information

13.12.2 Synaptics Human Interface Device Controller Chips Product Portfolios and Specifications

13.12.3 Synaptics Human Interface Device Controller Chips Sales, Revenue, Price and Gross Margin (2021-2026)

13.12.4 Synaptics Main Business Overview

13.12.5 Synaptics Latest Developments

13.13 Bridgetek Pte Ltd.

13.13.1 Bridgetek Pte Ltd. Company Information

13.13.2 Bridgetek Pte Ltd. Human Interface Device Controller Chips Product Portfolios and Specifications

13.13.3 Bridgetek Pte Ltd. Human Interface Device Controller Chips Sales, Revenue, Price and Gross Margin (2021-2026)

13.13.4 Bridgetek Pte Ltd. Main Business Overview

13.13.5 Bridgetek Pte Ltd. Latest Developments

13.14 Wincom

13.14.1 Wincom Company Information

13.14.2 Wincom Human Interface Device Controller Chips Product Portfolios and Specifications

13.14.3 Wincom Human Interface Device Controller Chips Sales, Revenue, Price and Gross Margin (2021-2026)

13.14.4 Wincom Main Business Overview

13.14.5 Wincom Latest Developments

## **14 RESEARCH FINDINGS AND CONCLUSION**

## List Of Tables

### LIST OF TABLES

- Table 1. Human Interface Device Controller Chips Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Table 2. Human Interface Device Controller Chips Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)
- Table 3. Major Players of Keyboard Controller Chips
- Table 4. Major Players of Mouse Controller Chips
- Table 5. Major Players of Touchscreen Controller Chips
- Table 6. Major Players of Game Controller Chips
- Table 7. Major Players of Voice Input Controller Chips
- Table 8. Global Human Interface Device Controller Chips Sales by Type (2021-2026) & (K Pcs)
- Table 9. Global Human Interface Device Controller Chips Sales Market Share by Type (2021-2026)
- Table 10. Global Human Interface Device Controller Chips Revenue by Type (2021-2026) & (\$ million)
- Table 11. Global Human Interface Device Controller Chips Revenue Market Share by Type (2021-2026)
- Table 12. Global Human Interface Device Controller Chips Sale Price by Type (2021-2026) & (US\$/Pcs)
- Table 13. Major Players of USB HID Controller Chips
- Table 14. Major Players of I?C HID Controller Chips
- Table 15. Major Players of SPI HID Controller Chips
- Table 16. Major Players of Bluetooth HID Controller Chips
- Table 17. Global Human Interface Device Controller Chips Sales by Interface Type (2021-2026) & (K Pcs)
- Table 18. Global Human Interface Device Controller Chips Sales Market Share by Interface Type (2021-2026)
- Table 19. Global Human Interface Device Controller Chips Revenue by Interface Type (2021-2026) & (\$ million)
- Table 20. Global Human Interface Device Controller Chips Revenue Market Share by Interface Type (2021-2026)
- Table 21. Global Human Interface Device Controller Chips Sale Price by Interface Type (2021-2026) & (US\$/Pcs)
- Table 22. Global Human Interface Device Controller Chips Sale by Application (2021-2026) & (K Pcs)

Table 23. Global Human Interface Device Controller Chips Sale Market Share by Application (2021-2026)

Table 24. Global Human Interface Device Controller Chips Revenue by Application (2021-2026) & (\$ million)

Table 25. Global Human Interface Device Controller Chips Revenue Market Share by Application (2021-2026)

Table 26. Global Human Interface Device Controller Chips Sale Price by Application (2021-2026) & (US\$/Pcs)

Table 27. Global Human Interface Device Controller Chips Sales by Company (2021-2026) & (K Pcs)

Table 28. Global Human Interface Device Controller Chips Sales Market Share by Company (2021-2026)

Table 29. Global Human Interface Device Controller Chips Revenue by Company (2021-2026) & (\$ millions)

Table 30. Global Human Interface Device Controller Chips Revenue Market Share by Company (2021-2026)

Table 31. Global Human Interface Device Controller Chips Sale Price by Company (2021-2026) & (US\$/Pcs)

Table 32. Key Manufacturers Human Interface Device Controller Chips Producing Area Distribution and Sales Area

Table 33. Players Human Interface Device Controller Chips Products Offered

Table 34. Human Interface Device Controller Chips Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

Table 35. New Products and Potential Entrants

Table 36. Market M&A Activity & Strategy

Table 37. Global Human Interface Device Controller Chips Sales by Geographic Region (2021-2026) & (K Pcs)

Table 38. Global Human Interface Device Controller Chips Sales Market Share Geographic Region (2021-2026)

Table 39. Global Human Interface Device Controller Chips Revenue by Geographic Region (2021-2026) & (\$ millions)

Table 40. Global Human Interface Device Controller Chips Revenue Market Share by Geographic Region (2021-2026)

Table 41. Global Human Interface Device Controller Chips Sales by Country/Region (2021-2026) & (K Pcs)

Table 42. Global Human Interface Device Controller Chips Sales Market Share by Country/Region (2021-2026)

Table 43. Global Human Interface Device Controller Chips Revenue by Country/Region (2021-2026) & (\$ millions)

Table 44. Global Human Interface Device Controller Chips Revenue Market Share by Country/Region (2021-2026)

Table 45. Americas Human Interface Device Controller Chips Sales by Country (2021-2026) & (K Pcs)

Table 46. Americas Human Interface Device Controller Chips Sales Market Share by Country (2021-2026)

Table 47. Americas Human Interface Device Controller Chips Revenue by Country (2021-2026) & (\$ millions)

Table 48. Americas Human Interface Device Controller Chips Sales by Type (2021-2026) & (K Pcs)

Table 49. Americas Human Interface Device Controller Chips Sales by Application (2021-2026) & (K Pcs)

Table 50. APAC Human Interface Device Controller Chips Sales by Region (2021-2026) & (K Pcs)

Table 51. APAC Human Interface Device Controller Chips Sales Market Share by Region (2021-2026)

Table 52. APAC Human Interface Device Controller Chips Revenue by Region (2021-2026) & (\$ millions)

Table 53. APAC Human Interface Device Controller Chips Sales by Type (2021-2026) & (K Pcs)

Table 54. APAC Human Interface Device Controller Chips Sales by Application (2021-2026) & (K Pcs)

Table 55. Europe Human Interface Device Controller Chips Sales by Country (2021-2026) & (K Pcs)

Table 56. Europe Human Interface Device Controller Chips Revenue by Country (2021-2026) & (\$ millions)

Table 57. Europe Human Interface Device Controller Chips Sales by Type (2021-2026) & (K Pcs)

Table 58. Europe Human Interface Device Controller Chips Sales by Application (2021-2026) & (K Pcs)

Table 59. Middle East & Africa Human Interface Device Controller Chips Sales by Country (2021-2026) & (K Pcs)

Table 60. Middle East & Africa Human Interface Device Controller Chips Revenue Market Share by Country (2021-2026)

Table 61. Middle East & Africa Human Interface Device Controller Chips Sales by Type (2021-2026) & (K Pcs)

Table 62. Middle East & Africa Human Interface Device Controller Chips Sales by Application (2021-2026) & (K Pcs)

Table 63. Key Market Drivers & Growth Opportunities of Human Interface Device

## Controller Chips

Table 64. Key Market Challenges & Risks of Human Interface Device Controller Chips

Table 65. Key Industry Trends of Human Interface Device Controller Chips

Table 66. Human Interface Device Controller Chips Raw Material

Table 67. Key Suppliers of Raw Materials

Table 68. Human Interface Device Controller Chips Distributors List

Table 69. Human Interface Device Controller Chips Customer List

Table 70. Global Human Interface Device Controller Chips Sales Forecast by Region (2027-2032) & (K Pcs)

Table 71. Global Human Interface Device Controller Chips Revenue Forecast by Region (2027-2032) & (\$ millions)

Table 72. Americas Human Interface Device Controller Chips Sales Forecast by Country (2027-2032) & (K Pcs)

Table 73. Americas Human Interface Device Controller Chips Annual Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 74. APAC Human Interface Device Controller Chips Sales Forecast by Region (2027-2032) & (K Pcs)

Table 75. APAC Human Interface Device Controller Chips Annual Revenue Forecast by Region (2027-2032) & (\$ millions)

Table 76. Europe Human Interface Device Controller Chips Sales Forecast by Country (2027-2032) & (K Pcs)

Table 77. Europe Human Interface Device Controller Chips Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 78. Middle East & Africa Human Interface Device Controller Chips Sales Forecast by Country (2027-2032) & (K Pcs)

Table 79. Middle East & Africa Human Interface Device Controller Chips Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 80. Global Human Interface Device Controller Chips Sales Forecast by Type (2027-2032) & (K Pcs)

Table 81. Global Human Interface Device Controller Chips Revenue Forecast by Type (2027-2032) & (\$ millions)

Table 82. Global Human Interface Device Controller Chips Sales Forecast by Application (2027-2032) & (K Pcs)

Table 83. Global Human Interface Device Controller Chips Revenue Forecast by Application (2027-2032) & (\$ millions)

Table 84. Microchip Technology Basic Information, Human Interface Device Controller Chips Manufacturing Base, Sales Area and Its Competitors

Table 85. Microchip Technology Human Interface Device Controller Chips Product Portfolios and Specifications

Table 86. Microchip Technology Human Interface Device Controller Chips Sales (K Pcs), Revenue (\$ Million), Price (US\$/Pcs) and Gross Margin (2021-2026)

Table 87. Microchip Technology Main Business

Table 88. Microchip Technology Latest Developments

Table 89. NXP Semiconductors Basic Information, Human Interface Device Controller Chips Manufacturing Base, Sales Area and Its Competitors

Table 90. NXP Semiconductors Human Interface Device Controller Chips Product Portfolios and Specifications

Table 91. NXP Semiconductors Human Interface Device Controller Chips Sales (K Pcs), Revenue (\$ Million), Price (US\$/Pcs) and Gross Margin (2021-2026)

Table 92. NXP Semiconductors Main Business

Table 93. NXP Semiconductors Latest Developments

Table 94. Texas Instruments Basic Information, Human Interface Device Controller Chips Manufacturing Base, Sales Area and Its Competitors

Table 95. Texas Instruments Human Interface Device Controller Chips Product Portfolios and Specifications

Table 96. Texas Instruments Human Interface Device Controller Chips Sales (K Pcs), Revenue (\$ Million), Price (US\$/Pcs) and Gross Margin (2021-2026)

Table 97. Texas Instruments Main Business

Table 98. Texas Instruments Latest Developments

Table 99. STMicroelectronics Basic Information, Human Interface Device Controller Chips Manufacturing Base, Sales Area and Its Competitors

Table 100. STMicroelectronics Human Interface Device Controller Chips Product Portfolios and Specifications

Table 101. STMicroelectronics Human Interface Device Controller Chips Sales (K Pcs), Revenue (\$ Million), Price (US\$/Pcs) and Gross Margin (2021-2026)

Table 102. STMicroelectronics Main Business

Table 103. STMicroelectronics Latest Developments

Table 104. Renesas Electronics Basic Information, Human Interface Device Controller Chips Manufacturing Base, Sales Area and Its Competitors

Table 105. Renesas Electronics Human Interface Device Controller Chips Product Portfolios and Specifications

Table 106. Renesas Electronics Human Interface Device Controller Chips Sales (K Pcs), Revenue (\$ Million), Price (US\$/Pcs) and Gross Margin (2021-2026)

Table 107. Renesas Electronics Main Business

Table 108. Renesas Electronics Latest Developments

Table 109. Cypress Semiconductor Basic Information, Human Interface Device Controller Chips Manufacturing Base, Sales Area and Its Competitors

Table 110. Cypress Semiconductor Human Interface Device Controller Chips Product

## Portfolios and Specifications

Table 111. Cypress Semiconductor Human Interface Device Controller Chips Sales (K Pcs), Revenue (\$ Million), Price (US\$/Pcs) and Gross Margin (2021-2026)

Table 112. Cypress Semiconductor Main Business

Table 113. Cypress Semiconductor Latest Developments

Table 114. Analog Devices Basic Information, Human Interface Device Controller Chips Manufacturing Base, Sales Area and Its Competitors

Table 115. Analog Devices Human Interface Device Controller Chips Product Portfolios and Specifications

Table 116. Analog Devices Human Interface Device Controller Chips Sales (K Pcs), Revenue (\$ Million), Price (US\$/Pcs) and Gross Margin (2021-2026)

Table 117. Analog Devices Main Business

Table 118. Analog Devices Latest Developments

Table 119. Broadcom Basic Information, Human Interface Device Controller Chips Manufacturing Base, Sales Area and Its Competitors

Table 120. Broadcom Human Interface Device Controller Chips Product Portfolios and Specifications

Table 121. Broadcom Human Interface Device Controller Chips Sales (K Pcs), Revenue (\$ Million), Price (US\$/Pcs) and Gross Margin (2021-2026)

Table 122. Broadcom Main Business

Table 123. Broadcom Latest Developments

Table 124. NVIDIA Basic Information, Human Interface Device Controller Chips Manufacturing Base, Sales Area and Its Competitors

Table 125. NVIDIA Human Interface Device Controller Chips Product Portfolios and Specifications

Table 126. NVIDIA Human Interface Device Controller Chips Sales (K Pcs), Revenue (\$ Million), Price (US\$/Pcs) and Gross Margin (2021-2026)

Table 127. NVIDIA Main Business

Table 128. NVIDIA Latest Developments

Table 129. ROHM Semiconductor Basic Information, Human Interface Device Controller Chips Manufacturing Base, Sales Area and Its Competitors

Table 130. ROHM Semiconductor Human Interface Device Controller Chips Product Portfolios and Specifications

Table 131. ROHM Semiconductor Human Interface Device Controller Chips Sales (K Pcs), Revenue (\$ Million), Price (US\$/Pcs) and Gross Margin (2021-2026)

Table 132. ROHM Semiconductor Main Business

Table 133. ROHM Semiconductor Latest Developments

Table 134. Prolific Technology Inc. Basic Information, Human Interface Device Controller Chips Manufacturing Base, Sales Area and Its Competitors

Table 135. Prolific Technology Inc. Human Interface Device Controller Chips Product Portfolios and Specifications

Table 136. Prolific Technology Inc. Human Interface Device Controller Chips Sales (K Pcs), Revenue (\$ Million), Price (US\$/Pcs) and Gross Margin (2021-2026)

Table 137. Prolific Technology Inc. Main Business

Table 138. Prolific Technology Inc. Latest Developments

Table 139. Synaptics Basic Information, Human Interface Device Controller Chips Manufacturing Base, Sales Area and Its Competitors

Table 140. Synaptics Human Interface Device Controller Chips Product Portfolios and Specifications

Table 141. Synaptics Human Interface Device Controller Chips Sales (K Pcs), Revenue (\$ Million), Price (US\$/Pcs) and Gross Margin (2021-2026)

Table 142. Synaptics Main Business

Table 143. Synaptics Latest Developments

Table 144. Bridgetek Pte Ltd. Basic Information, Human Interface Device Controller Chips Manufacturing Base, Sales Area and Its Competitors

Table 145. Bridgetek Pte Ltd. Human Interface Device Controller Chips Product Portfolios and Specifications

Table 146. Bridgetek Pte Ltd. Human Interface Device Controller Chips Sales (K Pcs), Revenue (\$ Million), Price (US\$/Pcs) and Gross Margin (2021-2026)

Table 147. Bridgetek Pte Ltd. Main Business

Table 148. Bridgetek Pte Ltd. Latest Developments

Table 149. Wincom Basic Information, Human Interface Device Controller Chips Manufacturing Base, Sales Area and Its Competitors

Table 150. Wincom Human Interface Device Controller Chips Product Portfolios and Specifications

Table 151. Wincom Human Interface Device Controller Chips Sales (K Pcs), Revenue (\$ Million), Price (US\$/Pcs) and Gross Margin (2021-2026)

Table 152. Wincom Main Business

Table 153. Wincom Latest Developments

## List Of Figures

### LIST OF FIGURES

Figure 1. Picture of Human Interface Device Controller Chips

Figure 2. Human Interface Device Controller Chips Report Years Considered

Figure 3. Research Objectives

Figure 4. Research Methodology

Figure 5. Research Process and Data Source

Figure 6. Global Human Interface Device Controller Chips Sales Growth Rate 2021-2032 (K Pcs)

Figure 7. Global Human Interface Device Controller Chips Revenue Growth Rate 2021-2032 (\$ millions)

Figure 8. Human Interface Device Controller Chips Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)

Figure 9. Human Interface Device Controller Chips Sales Market Share by Country/Region (2025)

Figure 10. Human Interface Device Controller Chips Sales Market Share by Country/Region (2021, 2025 & 2032)

Figure 11. Product Picture of Keyboard Controller Chips

Figure 12. Product Picture of Mouse Controller Chips

Figure 13. Product Picture of Touchscreen Controller Chips

Figure 14. Product Picture of Game Controller Chips

Figure 15. Product Picture of Voice Input Controller Chips

Figure 16. Global Human Interface Device Controller Chips Sales Market Share by Type in 2026

Figure 17. Global Human Interface Device Controller Chips Revenue Market Share by Type (2021-2026)

Figure 18. Product Picture of USB HID Controller Chips

Figure 19. Product Picture of I<sup>2</sup>C HID Controller Chips

Figure 20. Product Picture of SPI HID Controller Chips

Figure 21. Product Picture of Bluetooth HID Controller Chips

Figure 22. Global Human Interface Device Controller Chips Sales Market Share by Interface Type in 2026

Figure 23. Global Human Interface Device Controller Chips Revenue Market Share by Interface Type (2021-2026)

Figure 24. Human Interface Device Controller Chips Consumed in Personal Computers & Laptops

Figure 25. Global Human Interface Device Controller Chips Market: Personal

Computers & Laptops (2021-2026) & (K Pcs)

Figure 26. Human Interface Device Controller Chips Consumed in Gaming Consoles & VR/AR Devices

Figure 27. Global Human Interface Device Controller Chips Market: Gaming Consoles & VR/AR Devices (2021-2026) & (K Pcs)

Figure 28. Human Interface Device Controller Chips Consumed in Industrial Automation Systems

Figure 29. Global Human Interface Device Controller Chips Market: Industrial Automation Systems (2021-2026) & (K Pcs)

Figure 30. Human Interface Device Controller Chips Consumed in Smart Home Devices

Figure 31. Global Human Interface Device Controller Chips Market: Smart Home Devices (2021-2026) & (K Pcs)

Figure 32. Human Interface Device Controller Chips Consumed in Wearable Devices

Figure 33. Global Human Interface Device Controller Chips Market: Wearable Devices (2021-2026) & (K Pcs)

Figure 34. Human Interface Device Controller Chips Consumed in Others

Figure 35. Global Human Interface Device Controller Chips Market: Others (2021-2026) & (K Pcs)

Figure 36. Global Human Interface Device Controller Chips Sale Market Share by Application (2025)

Figure 37. Global Human Interface Device Controller Chips Revenue Market Share by Application in 2026

Figure 38. Human Interface Device Controller Chips Sales by Company in 2026 (K Pcs)

Figure 39. Global Human Interface Device Controller Chips Sales Market Share by Company in 2026

Figure 40. Human Interface Device Controller Chips Revenue by Company in 2026 (\$ millions)

Figure 41. Global Human Interface Device Controller Chips Revenue Market Share by Company in 2026

Figure 42. Global Human Interface Device Controller Chips Sales Market Share by Geographic Region (2021-2026)

Figure 43. Global Human Interface Device Controller Chips Revenue Market Share by Geographic Region in 2026

Figure 44. Americas Human Interface Device Controller Chips Sales 2021-2026 (K Pcs)

Figure 45. Americas Human Interface Device Controller Chips Revenue 2021-2026 (\$ millions)

Figure 46. APAC Human Interface Device Controller Chips Sales 2021-2026 (K Pcs)

Figure 47. APAC Human Interface Device Controller Chips Revenue 2021-2026 (\$ millions)

Figure 48. Europe Human Interface Device Controller Chips Sales 2021-2026 (K Pcs)

Figure 49. Europe Human Interface Device Controller Chips Revenue 2021-2026 (\$ millions)

Figure 50. Middle East & Africa Human Interface Device Controller Chips Sales 2021-2026 (K Pcs)

Figure 51. Middle East & Africa Human Interface Device Controller Chips Revenue 2021-2026 (\$ millions)

Figure 52. Americas Human Interface Device Controller Chips Sales Market Share by Country in 2026

Figure 53. Americas Human Interface Device Controller Chips Revenue Market Share by Country (2021-2026)

Figure 54. Americas Human Interface Device Controller Chips Sales Market Share by Type (2021-2026)

Figure 55. Americas Human Interface Device Controller Chips Sales Market Share by Application (2021-2026)

Figure 56. United States Human Interface Device Controller Chips Revenue Growth 2021-2026 (\$ millions)

Figure 57. Canada Human Interface Device Controller Chips Revenue Growth 2021-2026 (\$ millions)

Figure 58. Mexico Human Interface Device Controller Chips Revenue Growth 2021-2026 (\$ millions)

Figure 59. Brazil Human Interface Device Controller Chips Revenue Growth 2021-2026 (\$ millions)

Figure 60. APAC Human Interface Device Controller Chips Sales Market Share by Region in 2026

Figure 61. APAC Human Interface Device Controller Chips Revenue Market Share by Region (2021-2026)

Figure 62. APAC Human Interface Device Controller Chips Sales Market Share by Type (2021-2026)

Figure 63. APAC Human Interface Device Controller Chips Sales Market Share by Application (2021-2026)

Figure 64. China Human Interface Device Controller Chips Revenue Growth 2021-2026 (\$ millions)

Figure 65. Japan Human Interface Device Controller Chips Revenue Growth 2021-2026 (\$ millions)

Figure 66. South Korea Human Interface Device Controller Chips Revenue Growth 2021-2026 (\$ millions)

Figure 67. Southeast Asia Human Interface Device Controller Chips Revenue Growth 2021-2026 (\$ millions)

- Figure 68. India Human Interface Device Controller Chips Revenue Growth 2021-2026 (\$ millions)
- Figure 69. Australia Human Interface Device Controller Chips Revenue Growth 2021-2026 (\$ millions)
- Figure 70. China Taiwan Human Interface Device Controller Chips Revenue Growth 2021-2026 (\$ millions)
- Figure 71. Europe Human Interface Device Controller Chips Sales Market Share by Country in 2026
- Figure 72. Europe Human Interface Device Controller Chips Revenue Market Share by Country (2021-2026)
- Figure 73. Europe Human Interface Device Controller Chips Sales Market Share by Type (2021-2026)
- Figure 74. Europe Human Interface Device Controller Chips Sales Market Share by Application (2021-2026)
- Figure 75. Germany Human Interface Device Controller Chips Revenue Growth 2021-2026 (\$ millions)
- Figure 76. France Human Interface Device Controller Chips Revenue Growth 2021-2026 (\$ millions)
- Figure 77. UK Human Interface Device Controller Chips Revenue Growth 2021-2026 (\$ millions)
- Figure 78. Italy Human Interface Device Controller Chips Revenue Growth 2021-2026 (\$ millions)
- Figure 79. Russia Human Interface Device Controller Chips Revenue Growth 2021-2026 (\$ millions)
- Figure 80. Middle East & Africa Human Interface Device Controller Chips Sales Market Share by Country (2021-2026)
- Figure 81. Middle East & Africa Human Interface Device Controller Chips Sales Market Share by Type (2021-2026)
- Figure 82. Middle East & Africa Human Interface Device Controller Chips Sales Market Share by Application (2021-2026)
- Figure 83. Egypt Human Interface Device Controller Chips Revenue Growth 2021-2026 (\$ millions)
- Figure 84. South Africa Human Interface Device Controller Chips Revenue Growth 2021-2026 (\$ millions)
- Figure 85. Israel Human Interface Device Controller Chips Revenue Growth 2021-2026 (\$ millions)
- Figure 86. Turkey Human Interface Device Controller Chips Revenue Growth 2021-2026 (\$ millions)
- Figure 87. GCC Countries Human Interface Device Controller Chips Revenue Growth

2021-2026 (\$ millions)

Figure 88. Manufacturing Cost Structure Analysis of Human Interface Device Controller Chips in 2026

Figure 89. Manufacturing Process Analysis of Human Interface Device Controller Chips

Figure 90. Industry Chain Structure of Human Interface Device Controller Chips

Figure 91. Channels of Distribution

Figure 92. Global Human Interface Device Controller Chips Sales Market Forecast by Region (2027-2032)

Figure 93. Global Human Interface Device Controller Chips Revenue Market Share Forecast by Region (2027-2032)

Figure 94. Global Human Interface Device Controller Chips Sales Market Share Forecast by Type (2027-2032)

Figure 95. Global Human Interface Device Controller Chips Revenue Market Share Forecast by Type (2027-2032)

Figure 96. Global Human Interface Device Controller Chips Sales Market Share Forecast by Application (2027-2032)

Figure 97. Global Human Interface Device Controller Chips Revenue Market Share Forecast by Application (2027-2032)

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