

# Global PCIe 4.0 Protocol Computer Motherboard Market Growth 2026-2032

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## Abstracts

The global PCIe 4.0 Protocol Computer Motherboard market size is predicted to grow from US\$ 11480 million in 2025 to US\$ 16370 million in 2032; it is expected to grow at a CAGR of 5.3% from 2026 to 2032.

The so-called PCIe 4.0, as the name suggests, refers to the fourth-generation PCIe bus technology. As for PCIe, its full name is PCI-Express, which is essentially a high-speed serial computer expansion bus standard. The PCIe 4.0 motherboard supports the PCIe 4.0 protocol, and the overall data processing speed of the computer has been greatly improved, making it more suitable for scientific research, gaming, and industrial needs.

PCIe 4.0 protocol computer motherboards are gaining significant attention in the current market trends. With the ever-increasing demand for data transfer, PCIe 4.0 protocol offers twice the bandwidth compared to the previous PCIe 3.0 protocol, translating into faster data transfer speeds and higher performance. This is crucial for users who deal with large files, engage in high-resolution gaming, or perform data-intensive tasks. PCIe 4.0 protocol computer motherboards also come with future scalability as they provide support for devices and components with higher bandwidth requirements down the line. Furthermore, many of the latest GPUs and SSDs already support PCIe 4.0 protocol, enabling users to fully leverage this technology to enhance system performance.

LP Information, Inc. (LPI) ' newest research report, the "PCIe 4.0 Protocol Computer Motherboard Industry Forecast" looks at past sales and reviews total world PCIe 4.0 Protocol Computer Motherboard sales in 2025, providing a comprehensive analysis by region and market sector of projected PCIe 4.0 Protocol Computer Motherboard sales for 2026 through 2032. With PCIe 4.0 Protocol Computer Motherboard sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in

US\$ millions of the world PCIe 4.0 Protocol Computer Motherboard industry.

This Insight Report provides a comprehensive analysis of the global PCIe 4.0 Protocol Computer Motherboard 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 PCIe 4.0 Protocol Computer Motherboard portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global PCIe 4.0 Protocol Computer Motherboard market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for PCIe 4.0 Protocol Computer Motherboard 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 PCIe 4.0 Protocol Computer Motherboard.

This report presents a comprehensive overview, market shares, and growth opportunities of PCIe 4.0 Protocol Computer Motherboard market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

ITX

M-ATX

ATX

Others

Segmentation by Application:

Game Field

Scientific Research

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.

ASRock

ASUS

Biostar

Evga

Gigabyte

MSI

GALAXY

Mingxuan Technology

Colorful

## **Key Questions Addressed in this Report**

What is the 10-year outlook for the global PCIe 4.0 Protocol Computer Motherboard market?

What factors are driving PCIe 4.0 Protocol Computer Motherboard market growth, globally and by region?

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

How do PCIe 4.0 Protocol Computer Motherboard market opportunities vary by end market size?

How does PCIe 4.0 Protocol Computer Motherboard break out by Type, by Application?

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