

Ethernet Controller Market by Function (PHY & Integrated), Bandwidth (Ethernet, Fast Ethernet, Gigabit Ethernet), Packaging (Flip-chips, and Grid Arrays, QPF, QFN, and Others), Application and Geography - Global forecast to 2023

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Abstracts

“Growing demand for high-performance applications and integration of advanced features are fostering the growth of the Ethernet controller market”

The Ethernet controller market is expected to be worth USD 11.89 billion by 2023, growing at a CAGR of 6.22% between 2017 and 2023. The growth of this market is propelled by the growing demand for high-performance applications, integration of advanced features, small form factor, and easy interface with 16 and 32-bit embedded CPUs. However, continuous updating of drivers for optimum performance is a key factor that is acting as a restraint in this market.

“Adoption of flip-chips and grid arrays packaging in applications such as servers, routers, and switches has increased the demand for video server in Ethernet controller market”

The market for flip-chip and grid arrays is expected to witness a significant growth during the forecast period owing to factors such as high pin density, low thermal resistance, and low inductance. The Ethernet controller market by packaging was dominated by the flip-chip and grid array. The increased adoption of the flip-chip packaging methodology is a result of its much smaller size regarding both height and area. Flip-chips also offer reduced inductance, allowing higher speed signals, coupled with a considerably better heat conductivity. Also, the performance in high-frequency applications is superior when using flip-chips in comparison with the other

interconnection methods, because the length of the connection path is minimized. Similarly, the grid array packages enable high-density connections. This is due to the ability of the grid arrays that allow the underside of a chip package to be used for connectivity.

“APAC and North America are the major markets for the Ethernet controller market”

APAC is expected to account for the largest share of the Ethernet controller market in 2017, followed by North America and Europe. The market in APAC is expected to grow at the highest CAGR during the forecast period. The growth of this market in APAC can be attributed to the increased use of Ethernet controller in servers, consumer applications, and desktop systems. The growth in the market for Ethernet controllers in APAC is also driven by the rising demand for VoIP solutions, gaming consoles, and digital signage in this region.

In the process of determining and verifying the market size for several segments and subsegments gathered through secondary research, extensive primary interviews have been conducted with key experts. The breakup of the profile of primary participants is given below:

By Company Type: Tier 1 = 35%, Tier 2 = 40%, and Tier 3 = 25%

By Designation: C-Level Executives = 50%, Directors = 35%, and Others = 15%

By Region: North America = 35%, Europe = 22%, APAC = 30%, and RoW = 13%

The prominent players profiled in this report are Intel (US), Broadcom (Singapore), Microchip (US), Marvell (US), and Microsemi (US).

Research Coverage:

The report estimates the market size and future growth potential of the Ethernet controller market across different segments such as application, technology, products, and geography. Furthermore, the report also includes the industry trends, market dynamics, and competitive analysis of the key players in the market, along with their company profiles, competitive leadership mapping, and recent developments.

Key Benefits of Buying the Report:

The report would help the market leaders/new entrants in this market by providing them the closest approximations of the revenue numbers for the Ethernet controller segments and subsegments. This report would help stakeholders to better understand the competitor landscape and gain more insights to better position their businesses and make suitable go-to-market strategies. This report also helps the stakeholders to understand the pulse of the market and provides them information on key market drivers, restraints, challenges, and opportunities.

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