

# **Edge Computing in Healthcare Market by Component (Hardware, Software, Services), Application (Diagnostics, Robotic Surgery, Telehealth, RPM, and Ambulances), End User (Hospitals, Clinics, Ambulatory Care Center), & Region - Global Forecast to 2028**

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## **Abstracts**

The edge computing in healthcare market is anticipated to grow from an estimated USD 4.1 billion in 2022 to USD 12.9 billion in 2028, at a CAGR of 26.1% during the forecast period. Edge computing is gaining popularity across industries as there is a rise in the number of devices, which has increased the demand for high-bandwidth applications with the growing use of internet services. Edge computing is rapidly gaining acceptance worldwide by healthcare organizations due to various benefits, including low latency, traffic distribution, increased reliability, and reduced costs

“Hardware: The hardware segment is estimated to account for the largest market share in 2022“

The high market share by hardware is owed to high-scale deployment of edge hardware by healthcare organizations to achieve high performance, scale, and flexibility. Vendors in the market offer comprehensive edge hardware (edge systems for computing, storage, and networking) and hardware components (computing systems, gateways/routers, servers, and physical data centers) that complete the entire edge infrastructure. Edge hardware act as a backbone to establish communication and connection for enabling core edge functions, such as collection, filtering, processing, transmission, monitoring, and routing.

“Telehealth & remote patient monitoring application to account for largest market size during forecast period”

Based on application, the market is segmented into diagnosis, telehealth & remote patient monitoring, robotic surgery, ambulances, and other applications. Telehealth and remote patient monitoring is expected to hold the largest market size during the forecast period. By leveraging edge computing, telehealth providers can offer a more seamless and integrated patient experience, improving patient engagement and satisfaction. Patients can receive remote consultations with healthcare professionals, access medical records, and monitor their own health and wellness using wearable devices, all from the comfort of their own homes

“Europe accounted for the second-largest share in the edge computing in healthcare market during the forecast period”

North America is expected to hold the largest market size in the edge computing market, followed by Europe, due to the presence of plenty of edge computing vendors, early technological adoption of smart technologies, rising strategic partnerships, and demand for workload-centric IT infrastructure. Various government initiatives and imminent needs among European and North American enterprises to handle data present a strong opportunity for edge computing vendors to expand locally. The adoption of edge computing solutions is increasing in Asia Pacific and Latin America due to the growing deployment of cloud-based services, the need for improving network connectivity, the rise in technology assimilation, and the increasing awareness of the benefits of edge computing.

Break of primary participants was as mentioned below:

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

By Designation – C-level–35%, Director-level–40%, Others–25%

By Region – North America–42%, Europe–25%, Asia Pacific–18%, and Rest of the World–15%

## Key Players in the Edge Computing in Healthcare Market

The key players operating in the edge computing in the healthcare market include

CISCO Systems, Inc. (US), HUAWEI Technologies Co. Ltd (China), Dell Technologies, Inc. (US), Amazon Web Services (US), Google, Inc. (US), Microsoft Corporation (US), Intel Corporation (US), General Electric Digital (US), Hewlett Packard Enterprise Company (US), VMware, Inc. (US), Nokia Corporation (Finland), NVIDIA Corporation (US), Capgemini (France), Saguna Networks Ltd. (Israel), Fastly, Inc. (US), StackPath, LLC (US), ADLINK Technology, Inc. (Taiwan), Digi International, Inc. (US), Sierra Wireless (A Semtech Company) (Canada), Juniper Networks, Inc. (US), EdgeConneX, Inc. (US), ClearBlade, Inc. (US) and EdgelQ (US).

### Research Coverage:

The report analyzes the edge computing in healthcare market and aims at estimating the market size and future growth potential of this market based on various segments such as component, application, end user, and region. The report also includes a product portfolio matrix of various edge computing in healthcare hardware, software, & services available in the market. The report also provides a competitive analysis of the key players in this market, along with their company profiles, product offerings, and key market strategies.

### Reasons to Buy the Report

The report will enrich established firms as well as new entrants/smaller firms to gauge the pulse of the market, which in turn would help them, garner a more significant share of the market. Firms purchasing the report could use one or any combination of the below-mentioned strategies to strengthen their position in the market.

This report provides insights into the following pointers:

**Market Penetration:** Comprehensive information on product portfolios offered by the top players in the global edge computing in healthcare market. The report analyzes this market by product & service and end user.

**Product Enhancement/Innovation:** Detailed insights on upcoming trends and product launches in the global edge computing in healthcare market

**Market Development:** Comprehensive information on the lucrative emerging markets by products & services and end user

**Market Diversification:** Exhaustive information about new products or product

enhancements, growing geographies, recent developments, and investments in the global edge computing in healthcare market

**Competitive Assessment:** In-depth assessment of market shares, growth strategies, product offerings, competitive leadership mapping, and capabilities of leading players in the global edge computing in healthcare market.

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\*Details on Business Overview, Products & services Offered, Recent Developments, and MnM View (Key strengths/Right to Win, Strategic Choices Made, and Weaknesses and Competitive Threats) might not be captured in case of unlisted companies.

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