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# Asia Pacific Edge Computing Market Forecast to 2028 -Regional Analysis - by Component (Hardware, Software, and Services), Application [Smart Cities, Industrial Internet of Things (IIoT), Remote Monitoring, Content Delivery, Augmented Reality and Virtual Reality, and Others], Enterprise Size (SMEs and Large Enterprises), and Verticals (Manufacturing, Energy and Utilities, Government, IT and Telecom, Retail and Consumer Goods, Transportation and Logistics, Healthcare, and Others)

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## Abstracts

The Asia Pacific edge computing market is expected to grow from US$ 9,515.27 million in 2022 to US$ 33,424.04 million by 2028. It is estimated to grow at a CAGR of 23.3% from 2022 to 2028.

Emergence of 5G Network to Deliver Instant Communication Experiences Fuels Asia Pacific Edge Computing Market

Edge computing is a crucial part of the 5G platform. The 5G connectivity is enabling an era of user-centric network by bringing in the concept of network slicing and composable networking. The network service providers are ideally positioned to deliver intelligent traffic routing from the mobile network to the optimal location which is escalating the need for faster network capability enhancing the market outlook. However, the evolution of distributed cloud computing enables the providers to move beyond traditional connectivity-service models and open new doors to adjacent

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industries. The Communication Service Providers (CSP) are looking for new revenue sources to grow their businesses. Thus, with the introduction of 5G and edge computing, the CSPs are now in a better position to provide new offerings. The 5G can enhance edge computing applications by reducing latency, improvising application response times, and enhancing the ability of enterprises to collect and process data. It also helps the enterprises collect and process massive volumes of real-time data to optimize various operational systems and improve productivity and customer experiences. 5G network infrastructure can support and enable the increasing complexity and specialization of edge computing to deliver instant communication experience. Thus, the introduction of 5G with an edge messaging system brings the connectivity at a higher speed and delivers near-instant communication experiences. Therefore, the rising trend of the adoption of 5G network across the world is expected to augment the demand for edge computing during the forecast period.

Asia Pacific Edge Computing Market Overview

China, India, and Japan are the dominating countries in the edge computing market in Asia Pacific. The region has a strong manufacturing base, which continues to be a strong adopter of the IoT. In recent years, the manufacturing sector has begun transforming its operations by embracing digitalization and IoT. As per the Microsoft IoT Signals report study of over 3,000 business decision-makers (BDMs), developers, and internet technology decision-makers (ITDMs) across 10 countries—including Australia, China, and Japan—indicates the continuation of the adoption of IoT in a range of applications. Increasing government focus on smart city initiatives is driving demand for digital IoT solutions in e-government, smart traffic management, and smart power grid applications. Thus, such large-scale adoption of IoT technologies across various sectors is creating a huge demand for edge computing solutions.

According to the GSM Association, Asia Pacific is expected to have more than 400 million 5G subscriptions by 2025, representing 14% of overall mobile subscriptions, while 4G would continue to be a dominant technology. In 5G pioneer markets, including China and South Korea, operators have seen rapid acceptance after the launch. Meanwhile, the total revenues of telecom operators are projected to rise from US$ 210 million in 2021 to US$ 224 million by 2025. Thus, such growth factors in the 5G network wherein high bands (wave frequencies above 24 GHz) will support ultra-high capacity, low latency bandwidth applications, further accelerates the adoption of edge computing which helps drive the market growth in the Asia Pacific region over the forecast period.

Asia Pacific Edge Computing Market Revenue and Forecast to 2028 (US$ Million)

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Asia Pacific Edge Computing Market Segmentation

The Asia Pacific edge computing market is segmented into component, applications, enterprise size, verticals, and country.

Based on component, the Asia Pacific edge computing market is segmented into hardware, software, and services. The hardware segment registered the largest Asia Pacific edge computing market share in 2022.

Based on organization Size, the Asia Pacific edge computing market is segmented into SMEs and large enterprises. The large enterprises segment held a larger Asia Pacific edge computing market share in 2022.

Based on application, the Asia Pacific edge computing market is segmented into smart cities, industrial internet of things (IIOT), remote monitoring, content delivery, augmented reality and virtual reality, and others. The smart cities segment held the largest Asia Pacific edge computing market share in 2022.

Based on verticals, the Asia Pacific edge computing market is segmented into manufacturing, energy and utilities, government, IT and telecom, retail and consumer goods, transportation and logistics, healthcare, and others. The IT and telecom segment held the largest Asia Pacific edge computing market share in 2022.

Based on country, the Asia Pacific edge computing market has been categorized into the China, Japan, India, Australia, South Korea and the Rest of Asia Pacific. China dominated the Asia Pacific edge computing market share in 2022.

ADLINK Technology Inc.; Amazon Web Services; Dell Technologies; EdgeConnex Inc.; Hewlett Packard Enterprise Development LP (HPE); IBM Corporation; Litmus Automation, Inc.; and Microsoft Corporation are the leading companies operating in the Asia Pacific edge computing market.

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