Mobile Edge Computing Market: Segmented by Industry Vertical (Agriculture and Energy and Utilities, Healthcare), by Component (Edge-managed Platforms, Software, Hardware and Services) and Region – Global Analysis of Market Size, Share & Trends for 2019–2020 and Forecasts to 2030

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Abstracts

172+ Pages Research Report Global Mobile edge computing market to surpass USD 2.1 billion by 2030 from USD 730 million in 2020 at a CAGR of 36.65% in the coming years, i.e., 2021-30.

Product Overview
Mobile Edge Computing is a groundbreaking approach to cloud computing systems optimization. This refers primarily to the systems that enable computational to be carried out at the edge of the network. Edge computing is responsible for aligning data collection and control mechanisms, high bandwidth storage, and end-user-related applications. Battery life for the battery-operated IoT devices is boosted by the shorter times of open communications channels caused by an improved latency. Edge computing also enables efficient data storage, with cleaner data sets for cloud-based analysis as data collection and data processing are done at the edge of the network.

Market Highlights
Global Mobile edge computing market is expected to project a notable CAGR of 36.65% in 2030.
This growth is anticipated due to growing escalation of Internet of Things and increasing concerns for security at public places. In the coming years, the IoT phenomenon is expected to expand with the organization's digital transformation initiatives. The

exponential growth and growing use of IoT in companies would lead to the fuel the edge computing industry. As IoT has increased in several high-computing linked mobile devices, companies have gained access to and stored large volumes of data in the repository.

Global Mobile edge computing market: Segments
Energy and utilities market segment to grow with the highest CAGR during 2020-30
Global Edge Computing market is segmented by industry vertical: Healthcare, agriculture, and energy and utilities. The growing need to close the gap between theoretical performance and the actual production of grid systems promotes the adoption of edge computing practices by grid producers. Therefore, a large number of data generated from power stations distributed need to be processed and analyzed at a faster pace to enable successful decision-making based on data. Many of the driving forces that help the industry expand include the use of intelligent functionalities such as automatic metering (AMR), distributed generators remote control, grid automation, and real-time power analysis.

Hardware segment to grow with the highest CAGR during 2020-30
The global Edge Computing Market is segmented by component into Hardware, Software, Services, and Edge-managed Platforms

Increasing cloud-based applications, in which the server plays a crucial role and functions as the non-visible computer base for the services on which users are dependent, provide the highest percentage.

Market Dynamics
Drivers
Growing espousal of IoT
The emergence of IoT led to a substantial increase in data, as businesses rely more and more on centralized cloud computing and storage solutions. Movement of the entire IT industry to cloud poses economic feasibility issues. Therefore, these companies are continuously searching for edge computing resources including edge nodes, instruments, and hyper-located data centers, using IoT sensors, actuators, and other IoT tools.

Advent of autonomous vehicles
Mobile Edge computing in autonomous motor cars can make it possible to use the collected data better and more accurately, enabling edge computers to offload non-critical data in the edge data centers and to preserve essential data within the vehicle.

Mobile Edge Computing Market: Segmented by Industry Vertical (Agriculture and Energy and Utilities, Healthcare...

In addition, edge computing can help achieve situational awareness within a space of time combined with Artificial intelligence (AI) and machine learning (ML) by providing local processing power to facilitate the processing of large quantities of data produced by autonomous automobiles.

Restraints
Initial investment
In using digital technologies to effectively simplify and accelerate business processes companies are moving rapidly towards digitization. Initial investment in edge computing is still a major load on the capital expenditure of the company. For businesses that are pursuing comprehensive edge computing solutions, investments in cutting-edge nodes, other edge tools, and edge data centers are significant. They would also have to invest more in ensuring the protection of devices and of the whole network. As a result, multiple service suppliers are reluctant to switch to the edge only because of low latency processing

Global Mobile edge computing market: Key Players
Advantech Co., Ltd. (Taiwan)

Company Overview, Business Strategy, Key Product Offerings, Financial Performance, Key Performance Indicators, Risk Analysis, Recent Development, Regional Presence, SWOT Analysis

Adlink Technology Inc. (Taiwan)
Artesyn Embedded Technologies Inc. (California, US)
Brocade Communications Systems, Inc. (California, US)
Huawei Technologies Co., Ltd. (Shenzhen, China)
Juniper Networks, Inc. (California, US)
Nokia Corporation (Espoo, Finland)
Saguna Networks Ltd. (Israel)
Vapor IO, Inc. (Texas, US)
Vasona Networks, Inc. (California, US)
Other Prominent Players
Global Mobile edge computing: Regions
Global Mobile edge computing market is segmented based on regional analysis into five major regions. These include North America, Latin America, Europe, Asia Pacific, and the Middle East, and Africa. Global Mobile edge computing in North America held the largest market share in the year 2020. In 2020, America accounted for the greatest share of the agricultural precision market. A number of startups that provide platforms to

develop an edge-enabled solution are creating a driving force for the region's industrial growth. For example, in Canada telecommunication companies, including Telus Communications, are developing MobiledgeX, Inc., an early access program that will empower developers to build experiments and measure the efficiency of edge-enabled applications in a low latency environment.

Global Mobile edge computing market is further segmented by region into:
North America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United States and Canada
Latin America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – Mexico, Argentina, Brazil, and Rest of Latin America
Europe Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United Kingdom, France, Germany, Italy, Spain, Belgium, Hungary, Luxembourg, Netherlands, Poland, NORDIC, Russia, Turkey, and Rest of Europe
Asia Pacific Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – India, China, South Korea, Japan, Malaysia, Indonesia, New Zealand, Australia, and Rest of APAC
Middle East and Africa Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – North Africa, Israel, GCC, South Africa, and Rest of MENA

Global Mobile edge computing report also contains analysis on:
Mobile edge computing Segments:
By Component type:
Hardware
Software Services
Edge-managed Platforms
By Industry Vertical:
Healthcare
Agriculture
Energy and utilities
Mobile edge computing market Dynamics
Mobile edge computing market Size
Supply & Demand
Current Trends/Issues/Challenges
Competition & Companies Involved in the Market
Value Chain of the Market
Market Drivers and Restraints

Mobile edge computing Market Report Scope and Segmentation

Mobile Edge Computing Market: Segmented by Industry Vertical (Agriculture and Energy and Utilities, Healthcare...

Report Attribute Details

Market size value in 2021 USD 730 million

Revenue forecast in 2030 USD 2.1 billion

Growth Rate CAGR of 36.65% from 2021 to 2030

Base year for estimation 2020

Quantitative units Revenue in USD million and CAGR from 2021 to 2030

Report coverage Revenue forecast, company ranking, competitive landscape, growth factors, and trends

Segments covered

Industry vertical, component, and Region

Regional scope North America; Europe; Asia Pacific; Latin America; Middle East & Africa (MEA)

Key companies profiled

Adlink Technology Inc. (Taiwan), Advantech Co., Ltd. (Taiwan), Artesyn Embedded Technologies Inc. (California, US), Brocade Communications Systems, Inc. (California, US), Huawei Technologies Co., Ltd. (Shenzhen, China), Juniper Networks, Inc. (California, US), Nokia Corporation (Espoo, Finland), Saguna Networks Ltd. (Israel), Vapor IO, Inc. (Texas, US), and Vasona Networks, Inc. (California, US), Other Prominent Players.

Frequently Asked Questions

How big is the Mobile edge computing market?

What is the Mobile edge computing market growth?

Which segment accounted for the largest Mobile edge computing market share?

Who are the key players in the Mobile edge computing market?

What are the factors driving the Mobile edge computing market?

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Consultant Recommendation

**The above-given segmentations and companies could be subjected to further modification based on in-depth feasibility studies conducted for the final deliverable.

I would like to order

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