

Mobile Edge Computing (MEC) Market Report by Component (Hardware, Software), Organization Size (Small and Medium Enterprises, Large Enterprises), Application (Location-based Services, Video Surveillance, Unified Communication, Optimized Local Content Distribution, Data Analytics, Environmental Monitoring), and Region 2024-2032

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Abstracts

The global mobile edge computing (MEC) market size reached US\$ 811.7 Million in 2023. Looking forward, IMARC Group expects the market to reach US\$ 5,528.9 Million by 2032, exhibiting a growth rate (CAGR) of 23.05% during 2024-2032.

Mobile edge computing (MEC) is an emerging technology that aims to move infrastructure-based cloud resources, such as computation, storage, and bandwidth, to the edge of the cellular network. It establishes the network edge by utilizing various access points, such as routers, switches, hotspots, WiFi, servers, and controllers. MEC is widely used in location-based services, video surveillance, unified communication, data analytics, and environmental monitoring. It distributes computing resources across the network, provides more scalable performance, reduces network load, and hastens data transmission. It also reduces network congestion and latency and improves device performance. As a result, MEC finds extensive applications across the retail, telecommunications, energy, and healthcare industries.

Mobile Edge Computing (MEC) Market Trends:

Significant growth in the telecommunications industry across the globe is creating a positive outlook for the market. MEC enables telecommunication businesses to lessen their reliance on the cloud and assist in processing large volumes of data generated by

devices. In line with this, the widespread technology adoption in various industrial verticals to improve quality of experience (QoE), provide low latency computing, and enhance operational efficiency is favoring the market growth. Furthermore, the growing need to manage enormous data traffic due to the rapid proliferation of smartphones and interconnected devices is acting as another growth-inducing factor. Additionally, the rising MEC utilization in emerging technologies, such as artificial intelligence (AI), the Internet of Things (IoT), and federated learning (FL) to reduce power consumption, improve response time, and enhance performance by offering higher bandwidth is providing an impetus to market growth. The increasing demand for the solution can also be attributed to the rising need to facilitate the expansion of fifth-generation (5G) technology by enabling automation and scalability, providing privacy and security, and ensuring significant cost savings. Other factors, including extensive research and development (R&D) activities towards developing new hardware, and emerging product applications in augmented and virtual reality (AR/VR), are anticipated to drive the market growth.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global mobile edge computing (MEC) market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on component, organization size and application.

Breakup by Component:

- Hardware
- Software

Breakup by Organization Size:

- Small and Medium Enterprises
- Large Enterprises

Breakup by Application:

- Location-based Services
- Video Surveillance
- Unified Communication
- Optimized Local Content Distribution
- Data Analytics

Environmental Monitoring

Breakup by Region:

North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being ADLINK Technology Inc., Advantech Co. Ltd., Artesyn Embedded Technologies (Advanced Energy Industries Inc.), AT&T Inc., Cisco Systems Inc., Huawei Technologies Co. Ltd., Intel Corporation, International Business Machines Corporation, Nokia Corporation, Saguna Networks Ltd. (COMSovereign Holding Corp), Telefonaktiebolaget LM Ericsson, Vapor IO Inc. and Vodafone Group Plc.

Key Questions Answered in This Report

1. What was the size of the global Mobile Edge Computing (MEC) market in 2023?
2. What is the expected growth rate of the global Mobile Edge Computing (MEC) market during 2024-2032?
3. What are the key factors driving the global Mobile Edge Computing (MEC) market?
4. What has been the impact of COVID-19 on the global Mobile Edge Computing (MEC) market?
5. What is the breakup of the global Mobile Edge Computing (MEC) market based on the component?
6. What is the breakup of the global Mobile Edge Computing (MEC) market based on organization size?
7. What is the breakup of the global Mobile Edge Computing (MEC) market based on the application?
8. What are the key regions in the global Mobile Edge Computing (MEC) market?
9. Who are the key players/companies in the global Mobile Edge Computing (MEC) market?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL MOBILE EDGE COMPUTING (MEC) MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

6 MARKET BREAKUP BY COMPONENT

- 6.1 Hardware
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
- 6.2 Software
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast

7 MARKET BREAKUP BY ORGANIZATION SIZE

7.1 Small and Medium Enterprises

7.1.1 Market Trends

7.1.2 Market Forecast

7.2 Large Enterprises

7.2.1 Market Trends

7.2.2 Market Forecast

8 MARKET BREAKUP BY APPLICATION

8.1 Location-based Services

8.1.1 Market Trends

8.1.2 Market Forecast

8.2 Video Surveillance

8.2.1 Market Trends

8.2.2 Market Forecast

8.3 Unified Communication

8.3.1 Market Trends

8.3.2 Market Forecast

8.4 Optimized Local Content Distribution

8.4.1 Market Trends

8.4.2 Market Forecast

8.5 Data Analytics

8.5.1 Market Trends

8.5.2 Market Forecast

8.6 Environmental Monitoring

8.6.1 Market Trends

8.6.2 Market Forecast

9 MARKET BREAKUP BY REGION

9.1 North America

9.1.1 United States

9.1.1.1 Market Trends

9.1.1.2 Market Forecast

9.1.2 Canada

9.1.2.1 Market Trends

9.1.2.2 Market Forecast

9.2 Asia-Pacific

9.2.1 China

9.2.1.1 Market Trends

9.2.1.2 Market Forecast

9.2.2 Japan

9.2.2.1 Market Trends

9.2.2.2 Market Forecast

9.2.3 India

9.2.3.1 Market Trends

9.2.3.2 Market Forecast

9.2.4 South Korea

9.2.4.1 Market Trends

9.2.4.2 Market Forecast

9.2.5 Australia

9.2.5.1 Market Trends

9.2.5.2 Market Forecast

9.2.6 Indonesia

9.2.6.1 Market Trends

9.2.6.2 Market Forecast

9.2.7 Others

9.2.7.1 Market Trends

9.2.7.2 Market Forecast

9.3 Europe

9.3.1 Germany

9.3.1.1 Market Trends

9.3.1.2 Market Forecast

9.3.2 France

9.3.2.1 Market Trends

9.3.2.2 Market Forecast

9.3.3 United Kingdom

9.3.3.1 Market Trends

9.3.3.2 Market Forecast

9.3.4 Italy

9.3.4.1 Market Trends

9.3.4.2 Market Forecast

9.3.5 Spain

9.3.5.1 Market Trends

9.3.5.2 Market Forecast

9.3.6 Russia

9.3.6.1 Market Trends

9.3.6.2 Market Forecast

9.3.7 Others

9.3.7.1 Market Trends

9.3.7.2 Market Forecast

9.4 Latin America

9.4.1 Brazil

9.4.1.1 Market Trends

9.4.1.2 Market Forecast

9.4.2 Mexico

9.4.2.1 Market Trends

9.4.2.2 Market Forecast

9.4.3 Others

9.4.3.1 Market Trends

9.4.3.2 Market Forecast

9.5 Middle East and Africa

9.5.1 Market Trends

9.5.2 Market Breakup by Country

9.5.3 Market Forecast

10 SWOT ANALYSIS

10.1 Overview

10.2 Strengths

10.3 Weaknesses

10.4 Opportunities

10.5 Threats

11 VALUE CHAIN ANALYSIS

12 PORTERS FIVE FORCES ANALYSIS

12.1 Overview

12.2 Bargaining Power of Buyers

12.3 Bargaining Power of Suppliers

12.4 Degree of Competition

12.5 Threat of New Entrants

12.6 Threat of Substitutes

13 PRICE ANALYSIS

14 COMPETITIVE LANDSCAPE

14.1 Market Structure

14.2 Key Players

14.3 Profiles of Key Players

14.3.1 ADLINK Technology Inc.

14.3.1.1 Company Overview

14.3.1.2 Product Portfolio

14.3.2 Advantech Co. Ltd.

14.3.2.1 Company Overview

14.3.2.2 Product Portfolio

14.3.3 Artesyn Embedded Technologies (Advanced Energy Industries Inc.)

14.3.3.1 Company Overview

14.3.3.2 Product Portfolio

14.3.4 AT&T Inc.

14.3.4.1 Company Overview

14.3.4.2 Product Portfolio

14.3.5 Cisco Systems Inc.

14.3.5.1 Company Overview

14.3.5.2 Product Portfolio

14.3.6 Huawei Technologies Co. Ltd.

14.3.6.1 Company Overview

14.3.6.2 Product Portfolio

14.3.7 Intel Corporation

14.3.7.1 Company Overview

14.3.7.2 Product Portfolio

14.3.8 International Business Machines Corporation

14.3.8.1 Company Overview

14.3.8.2 Product Portfolio

14.3.9 Nokia Corporation

14.3.9.1 Company Overview

14.3.9.2 Product Portfolio

14.3.10 Saguna Networks Ltd. (COMSovereign Holding Corp)

14.3.10.1 Company Overview

14.3.10.2 Product Portfolio

14.3.11 Telefonaktiebolaget LM Ericsson

14.3.11.1 Company Overview

- 14.3.11.2 Product Portfolio
- 14.3.12 Vapor IO Inc.
 - 14.3.12.1 Company Overview
 - 14.3.12.2 Product Portfolio
- 14.3.13 Vodafone Group Plc
 - 14.3.13.1 Company Overview
 - 14.3.13.2 Product Portfolio

List Of Tables

LIST OF TABLES

Table 1: Global: Mobile Edge Computing Market: Key Industry Highlights, 2023 & 2032

Table 2: Global: Mobile Edge Computing Market Forecast: Breakup by Component (in Million US\$), 2024-2032

Table 3: Global: Mobile Edge Computing Market Forecast: Breakup by Organization Size (in Million US\$), 2024-2032

Table 4: Global: Mobile Edge Computing Market Forecast: Breakup by Application (in Million US\$), 2024-2032

Table 5: Global: Mobile Edge Computing Market Forecast: Breakup by Region (in Million US\$), 2024-2032

Table 6: Global: Mobile Edge Computing Market: Competitive Structure

Table 7: Global: Mobile Edge Computing Market: Key Players

List Of Figures

LIST OF FIGURES

Figure 1: Global: Mobile Edge Computing Market: Major Drivers and Challenges

Figure 2: Global: Mobile Edge Computing Market: Sales Value (in Million US\$), 2018-2023

Figure 3: Global: Mobile Edge Computing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 4: Global: Mobile Edge Computing Market: Breakup by Component (in %), 2023

Figure 5: Global: Mobile Edge Computing Market: Breakup by Organization Size (in %), 2023

Figure 6: Global: Mobile Edge Computing Market: Breakup by Application (in %), 2023

Figure 7: Global: Mobile Edge Computing Market: Breakup by Region (in %), 2023

Figure 8: Global: Mobile Edge Computing (Hardware) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 9: Global: Mobile Edge Computing (Hardware) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 10: Global: Mobile Edge Computing (Software) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 11: Global: Mobile Edge Computing (Software) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 12: Global: Mobile Edge Computing (Small and Medium Enterprises) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 13: Global: Mobile Edge Computing (Small and Medium Enterprises) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 14: Global: Mobile Edge Computing (Large Enterprises) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 15: Global: Mobile Edge Computing (Large Enterprises) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 16: Global: Mobile Edge Computing (Location-based Services) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 17: Global: Mobile Edge Computing (Location-based Services) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 18: Global: Mobile Edge Computing (Video Surveillance) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 19: Global: Mobile Edge Computing (Video Surveillance) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 20: Global: Mobile Edge Computing (Unified Communication) Market: Sales

Value (in Million US\$), 2018 & 2023

Figure 21: Global: Mobile Edge Computing (Unified Communication) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 22: Global: Mobile Edge Computing (Optimized Local Content Distribution) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 23: Global: Mobile Edge Computing (Optimized Local Content Distribution) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 24: Global: Mobile Edge Computing (Data Analytics) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 25: Global: Mobile Edge Computing (Data Analytics) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 26: Global: Mobile Edge Computing (Environmental Monitoring) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 27: Global: Mobile Edge Computing (Environmental Monitoring) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 28: North America: Mobile Edge Computing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 29: North America: Mobile Edge Computing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 30: United States: Mobile Edge Computing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 31: United States: Mobile Edge Computing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 32: Canada: Mobile Edge Computing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 33: Canada: Mobile Edge Computing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 34: Asia-Pacific: Mobile Edge Computing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 35: Asia-Pacific: Mobile Edge Computing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 36: China: Mobile Edge Computing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 37: China: Mobile Edge Computing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 38: Japan: Mobile Edge Computing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 39: Japan: Mobile Edge Computing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 40: India: Mobile Edge Computing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 41: India: Mobile Edge Computing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 42: South Korea: Mobile Edge Computing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 43: South Korea: Mobile Edge Computing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 44: Australia: Mobile Edge Computing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 45: Australia: Mobile Edge Computing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 46: Indonesia: Mobile Edge Computing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 47: Indonesia: Mobile Edge Computing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 48: Others: Mobile Edge Computing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 49: Others: Mobile Edge Computing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 50: Europe: Mobile Edge Computing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 51: Europe: Mobile Edge Computing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 52: Germany: Mobile Edge Computing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 53: Germany: Mobile Edge Computing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 54: France: Mobile Edge Computing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 55: France: Mobile Edge Computing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 56: United Kingdom: Mobile Edge Computing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 57: United Kingdom: Mobile Edge Computing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 58: Italy: Mobile Edge Computing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 59: Italy: Mobile Edge Computing Market Forecast: Sales Value (in Million US\$),

2024-2032

Figure 60: Spain: Mobile Edge Computing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 61: Spain: Mobile Edge Computing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 62: Russia: Mobile Edge Computing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 63: Russia: Mobile Edge Computing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 64: Others: Mobile Edge Computing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 65: Others: Mobile Edge Computing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 66: Latin America: Mobile Edge Computing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 67: Latin America: Mobile Edge Computing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 68: Brazil: Mobile Edge Computing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 69: Brazil: Mobile Edge Computing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 70: Mexico: Mobile Edge Computing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 71: Mexico: Mobile Edge Computing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 72: Others: Mobile Edge Computing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 73: Others: Mobile Edge Computing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 74: Middle East and Africa: Mobile Edge Computing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 75: Middle East and Africa: Mobile Edge Computing Market: Breakup by Country (in %), 2023

Figure 76: Middle East and Africa: Mobile Edge Computing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 77: Global: Mobile Edge Computing Industry: SWOT Analysis

Figure 78: Global: Mobile Edge Computing Industry: Value Chain Analysis

Figure 79: Global: Mobile Edge Computing Industry: Porter's Five Forces Analysis

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