

Mobile Edge Computing - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)

Market Report | 2025-07-01 | 131 pages | Mordor Intelligence

AVAILABLE LICENSES:

- Single User License \$4750.00
- Team License (1-7 Users) \$5250.00
- Site License \$6500.00
- Corporate License \$8750.00

Report description:

Mobile Edge Computing Market Analysis

The mobile edge computing market is valued at USD 0.80 billion in 2025 and is projected to reach USD 3.12 billion by 2030, advancing at a 31.34% CAGR. Intensifying demand for low-latency services, the maturation of 5G standalone (SA) networks, and the need to process ever-rising data volumes closer to end users are accelerating adoption. Hardware continues to anchor spending, yet rapid progress in software-defined infrastructure, container orchestration, and AI inference is shifting the balance toward service-centric revenue streams. Telcos, hyperscalers, and specialist start-ups increasingly view edge capabilities as a core differentiator that underpins premium connectivity, new enterprise services, and cost-effective AI deployment. Regulatory interest in data sovereignty, coupled with standardization efforts led by the European Telecommunications Standards Institute (ETSI), is further influencing market architecture and vendor strategies. Convergence among connectivity, cloud, and AI domains is reshaping competitive boundaries, compelling players to pursue cross-domain partnerships and vertical-specific solutions.

Global Mobile Edge Computing Market Trends and Insights

Latency-critical consumer apps (AR/VR gaming, livestreaming) gaining traction in Asia

AR/VR gaming and livestreaming continue to reshape network design by demanding sub-20 millisecond round-trip latency. Ericsson's trials show that relocating game servers to edge nodes can cut transport latency by 75%, sustaining fluid gameplay under fluctuating radio conditions. . Telecom operators in South Korea, where mobile gaming revenue exceeded USD 5.6 billion in

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

2024, have already deployed multi-access edge computing clusters near dense urban zones, enabling premium subscription tiers for latency-sensitive titles. Content providers benefit from higher retention and revenue per user, while operators monetize differentiated quality of experience. Similar patterns are emerging in Japan, China, and select U.S. markets as 5G SA coverage expands and device adoption grows.

Rapid 5G standalone roll-outs unlocking MEC monetization in North America

Forty-nine operators in 29 countries had launched 5G SA by mid-2024, but North American carriers lead in national coverage. T-Mobile's full-scale SA deployment permits deterministic network slicing aligned with edge workloads and underpins new service-level agreements for enterprise applications. Verizon targets sub-10 millisecond edge latency to enable VR, autonomous mobility, and real-time analytics. Revenue opportunities stem from pay-as-you-go exposure of network APIs, including quality-on-demand and location-based compute. Collaboration with hyperscalers accelerates application onboarding and shortens time-to-market for developers.

Absence of globally harmonized security & trust framework for multi-access edge

Edge infrastructure widens the attack surface because workloads, data, and orchestration span thousands of unattended nodes. Academic studies show a surge in DDoS and lateral-movement threats targeting cached content and orchestration APIs. Regulated sectors hesitate to migrate sensitive workloads until zero-trust reference models, secure enclave support, and federated identity standards mature. ETSI MEC working groups are drafting inter-domain trust specifications, yet full consensus remains years away, prolonging integration cycles and increasing compliance costs for multinational deployments.

Other drivers and restraints analyzed in the detailed report include:

Telco adoption of disaggregated Open RAN driving on-prem edge demand in Europe / Industrial Time-Sensitive Networking mandates (IEC/IEEE 60802) in manufacturing hubs / Scarcity of ruggedized micro-data-center hardware in extreme climates /

For complete list of drivers and restraints, kindly check the Table Of Contents.

Segment Analysis

In 2024 the hardware segment accounted for 61% of mobile edge computing market revenue, anchored by investments in servers, rugged enclosures, and specialized network interface cards. Nevertheless, software is projected to grow at a 37.6% CAGR between 2025 and 2030-well above the overall mobile edge computing market growth rate-because orchestration, CI/CD pipelines, and AI frameworks unlock flexible deployment models. Edge orchestration suites now combine service meshes with policy engines that translate network slices into compute and storage reservations, enabling operators to launch new services in hours instead of months.

By 2025, software-defined functions will embed AI-powered resource schedulers, predictive maintenance, and zero-touch provisioning. Akamai's adoption of WebAssembly alongside Fermion exemplifies lighter-weight execution that trims cold-start latency to sub-10 milliseconds, a prerequisite for interactive workloads. Consequently, hyperscalers and telcos are shifting R&D budgets toward platform software, even as they continue refreshing edge hardware every four to five years. Services-consulting, integration, and managed operations-are catching up as enterprises outsource complexity; demand for multi-vendor blueprints is particularly high among healthcare and manufacturing clients that operate hybrid private/public edge footprints.

The Mobile Edge Computing (MEC) Market is Segmented by Component (Hardware, Software, and More), End-User (Financial and Banking Industry, Retail, Healthcare and Life Sciences, and More), and Geography. The Market Forecasts are Provided in Terms of

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Value (USD).

Geography Analysis

North America generated 41.2% of mobile edge computing market revenue in 2024, leveraged by nationwide 5G SA connectivity, dense fiber backbones, and strong hyperscaler presence. AWS Wavelength Zones and Microsoft Azure Edge Zones have been deployed in more than 40 metropolitan areas, offering developers sub-20 millisecond round-trip latency for consumer and industrial apps. Regulatory scrutiny of cloud concentration prompts carriers to diversify suppliers, spurring collaborative ventures with infrastructure companies and semiconductor vendors.

Asia-Pacific is expected to register the fastest growth, at a 36.8% CAGR during 2025-2030, driven by multi-billion-dollar smart-city investments, robust manufacturing bases, and the world's highest mobile-gaming spending. China Mobile's trials with Huawei illustrate nation-scale edge roll-outs supporting AR-assisted maintenance on high-speed rail. Japan's telcos partner with console publishers to stream AAA titles without downloads, whereas India's Jio integrates MEC to reduce backhaul congestion while expanding rural coverage.

Europe emphasizes industrial applications, privacy, and data localization. ETSI's MEC standards assure cross-border service portability, and Vodafone's commitment to deploy Open RAN across 30% of masts by 2030 underscores the region's focus on supply-chain resilience. The Middle East advances giga-projects such as NEOM that embed cognitive edge infrastructure, while Africa and South America adopt MEC to alleviate latency for e-learning, telemedicine, and mining operations in remote zones.

List of Companies Covered in this Report:

Huawei Technologies Co. Ltd. / Nokia Corporation / Telefonaktiebolaget LM Ericsson / AT&T Inc. / Verizon Communications Inc. / Amazon Web Services Inc. / Microsoft Corp. (Azure Edge Zones) / Google LLC (Google Distributed Cloud Edge) / Cisco Systems Inc. / Hewlett Packard Enterprise Co. / IBM Corp. / ZTE Corp. / EdgeConneX Inc. / Cloudflare Inc. / Fermyon Technologies / Saguna Networks Ltd. / ADLINK Technology Inc. / ADVA Optical Networking SE / Akamai Technologies / CoreSite /

Additional Benefits:

The market estimate (ME) sheet in Excel format /
3 months of analyst support /

Table of Contents:

1 INTRODUCTION

1.1 Study Assumptions and Market Definition

1.2 Scope of the Study

2 RESEARCH METHODOLOGY

3 EXECUTIVE SUMMARY

4 MARKET LANDSCAPE

4.1 Market Overview

4.2 Market Drivers

4.2.1 Latency-critical consumer apps (AR/VR gaming, livestreaming) gaining traction in Asia

4.2.2 Rapid 5G standalone roll-outs unlocking MEC monetisation in North America

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 4.2.3 Telco adoption of disaggregated Open RAN driving on-prem edge demand in Europe
- 4.2.4 Industrial time-sensitive networking mandates (IEC/IEEE 60802) in manufacturing hubs
- 4.2.5 Government smart-city megaprojects (e.g., NEOM, Saudi Arabia) embedding MEC
- 4.2.6 AI-inferencing at the edge lowering cloud egress costs for hyperscalers
- 4.3 Market Restraints
 - 4.3.1 Absence of globally harmonised security & trust framework for multi-access edge
 - 4.3.2 Scarcity of ruggedised micro-data-centre hardware in tropical & desert climates
 - 4.3.3 High TCO of edge orchestration platforms for Tier-2/3 mobile operators
 - 4.3.4 Shortage of MEC-skilled DevOps talent delaying PoC-to-production conversions
- 4.4 Technological Outlook
- 4.5 Porter's Five Forces Analysis
 - 4.5.1 Bargaining Power of Suppliers
 - 4.5.2 Bargaining Power of Buyers
 - 4.5.3 Threat of New Entrants
 - 4.5.4 Threat of Substitutes
 - 4.5.5 Intensity of Competitive Rivalry
- 4.6 Investment Analysis
- 4.7 Impact of Macroeconomic Factors on the Mobile Edge Computing Market

5 MARKET SIZE AND GROWTH FORECASTS (VALUE)

- 5.1 By Component
 - 5.1.1 Hardware
 - 5.1.2 Software
 - 5.1.3 Services
- 5.2 By End-user
 - 5.2.1 Banking and Financial Services
 - 5.2.2 Retail
 - 5.2.3 Healthcare and Life Sciences
 - 5.2.4 Industrial Manufacturing
 - 5.2.5 Energy and Utilities
 - 5.2.6 Telecommunications
 - 5.2.7 Other End-users
- 5.3 By Geography
 - 5.3.1 North America
 - 5.3.1.1 United States
 - 5.3.1.2 Canada
 - 5.3.1.3 Mexico
 - 5.3.2 South America
 - 5.3.2.1 Brazil
 - 5.3.2.2 Argentina
 - 5.3.2.3 Chile
 - 5.3.2.4 Peru
 - 5.3.2.5 Rest of South America
 - 5.3.3 Europe
 - 5.3.3.1 Germany
 - 5.3.3.2 United Kingdom
 - 5.3.3.3 France

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 5.3.3.4 Italy
- 5.3.3.5 Spain
- 5.3.3.6 Rest of Europe
- 5.3.4 Asia-Pacific
 - 5.3.4.1 China
 - 5.3.4.2 Japan
 - 5.3.4.3 South Korea
 - 5.3.4.4 India
 - 5.3.4.5 Australia
 - 5.3.4.6 New Zealand
 - 5.3.4.7 Rest of Asia-Pacific
- 5.3.5 Middle East and Africa
 - 5.3.5.1 United Arab Emirates
 - 5.3.5.2 Saudi Arabia
 - 5.3.5.3 Turkey
 - 5.3.5.4 South Africa
 - 5.3.5.5 Rest of Middle East and Africa

6 COMPETITIVE LANDSCAPE

- 6.1 Strategic Developments
- 6.2 Vendor Positioning Analysis
- 6.3 Company Profiles (includes Global level Overview, Market level overview, Core Segments, Financials as available, Strategic Information, Products & Services, and Recent Developments)
 - 6.3.1 Huawei Technologies Co. Ltd.
 - 6.3.2 Nokia Corporation
 - 6.3.3 Telefonaktiebolaget LM Ericsson
 - 6.3.4 AT&T Inc.
 - 6.3.5 Verizon Communications Inc.
 - 6.3.6 Amazon Web Services Inc.
 - 6.3.7 Microsoft Corp. (Azure Edge Zones)
 - 6.3.8 Google LLC (Google Distributed Cloud Edge)
 - 6.3.9 Cisco Systems Inc.
 - 6.3.10 Hewlett Packard Enterprise Co.
 - 6.3.11 IBM Corp.
 - 6.3.12 ZTE Corp.
 - 6.3.13 EdgeConneX Inc.
 - 6.3.14 Cloudflare Inc.
 - 6.3.15 Fermion Technologies
 - 6.3.16 Saguna Networks Ltd.
 - 6.3.17 ADLINK Technology Inc.
 - 6.3.18 ADVA Optical Networking SE
 - 6.3.19 Akamai Technologies
 - 6.3.20 CoreSite

7 MARKET OPPORTUNITIES AND FUTURE OUTLOOK

- 7.1 White-space and Unmet-Need Assessment

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

**Mobile Edge Computing - Market Share Analysis, Industry Trends & Statistics,
Growth Forecasts (2025 - 2030)**

Market Report | 2025-07-01 | 131 pages | Mordor Intelligence

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Single User License	\$4750.00
	Team License (1-7 Users)	\$5250.00
	Site License	\$6500.00
	Corporate License	\$8750.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2026-03-03"/>
		Signature	

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

