

Electric Vehicle Telematics Market Size & Share Analysis - Growth Trends and Forecast (2025 - 2030)

> **Industry:** Connected Cars, Software & Cockpit (Automotive & Transportation)

> **Source:** <https://www.mordorintelligence.com/industry-reports/electric-vehicle-telematics-market>

> **Scraped Date:** 2026-09-17

Executive Market Summary

Market Metric	Details
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Base Market Size	USD 20.14 billion
Projected Forecast (2031)	USD 20.14 billion
Growth Rate (CAGR)	19.54 %
Largest Market Region	N/A
Fastest-Growing Region	N/A

Market Visualizations & Infographics

![Major players in Electric Vehicle Telematics industry](images/chart_2.png)

![Electric Vehicle Telematics Market (2025 - 2030)](images/chart_3.png)

![Electric Vehicle Telematics Market: Market Share by Infotainment and Navigation](images/chart_4.png)

![Electric Vehicle Telematics Market: Market Share by End-User](images/chart_5.png)

![Electric Vehicle Telematics Market CAGR (%), Growth Rate by Region](images/chart_6.png)

![Electric Vehicle Telematics Market](images/chart_7.png)

![Icon](images/chart_8.png)

![footer background image](images/chart_10.png)

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![ESOMAR](images/chart_17.png)

![GPTW](images/chart_19.png)

Comprehensive Research Analysis

Overview Points List Flex 49 Share Feature End

Market Overview

Study Period

|

2019 - 2030

|

Market Size (2025)

|

USD 8.25 Billion

|

Market Size (2030)

|

USD 20.14 Billion

|

Growth Rate (2025 - 2030)

|

19.54 %

|

Fastest Growing Market

|

Middle East and Africa

|

Largest Market

Asia Pacific

Market Concentration

Medium

Major Players

*Disclaimer: Major Players sorted in no particular order

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Market Overview

Electric Vehicle Telematics Market Analysis by Mordor Intelligence

The electric vehicle telematics market size is valued at USD 8.25 billion in 2025 and is projected to reach USD 20.14 billion by 2030, reflecting a robust 19.54% CAGR through the forecast period. Mandatory eCall compliance, rapid 5G TCU cost declines, and artificial-intelligence-based fleet optimization continue to expand addressable demand. Government regulations require 4G/5G-ready emergency-call capability in new electric vehicles across the European Union by 2026–2027, effectively creating a hardware foundation for advanced data-logging and remote diagnostics[1]"EU eCall Regulations Updated to Require 4G/5G Compliant Systems", InterRegs Ltd., [interregs.com](https://www.interregs.com). Commercial fleet operators accelerate adoption to cut energy costs, while over-the-air (OTA) software monetization enables recurring revenue streams that reshape automaker economics. Competitive intensity remains moderate as traditional suppliers, technology companies, and niche specialists vie to embed edge-ready modules capable of vehicle-to-everything (V2X) communication.

Key Report Takeaways

- * By service, Fleet Management held 42.41% of the electric vehicle telematics market share in 2024; V2X and OTA Updates are projected to expand at a 24.66% CAGR through 2030.
- * By sales channel, OEM-fitted solutions captured 72.54% of the electric vehicle telematics market size in 2024, while the aftermarket channel is forecast to advance at a 20.78% CAGR between 2025 and 2030.
- * By connectivity solution, embedded architecture commanded 79.24% share of the electric vehicle telematics market size in 2024; 5G integrated-smartphone solutions will post the fastest 29.88% CAGR to 2030.
- * By vehicle type, passenger cars led the electric vehicle telematics market with 69.19% market share in 2024, whereas medium and heavy commercial vehicles are set to grow at a 21.91% CAGR through 2030.
- * By end-user, fleet operators accounted for 49.11% of the electric vehicle telematics market share in 2024; car-sharing and mobility providers should experience a 27.63% CAGR to 2030.
- * By propulsion type, battery electric vehicles represented 73.66% of the electric vehicle telematics market size in 2024, while fuel cell electric vehicles will record the quickest 27.12% CAGR during the forecast horizon.

* By geography, Asia-Pacific held 43.53% of the electric vehicle telematics market share in 2024, while the Middle-East and Africa region is expected to post the fastest CAGR of 20.06% by 2030.

Key Market Trends

Global Electric Vehicle Telematics Market Trends and Insights

Drivers Impact Analysis*

- Driver |
- (~) % Impact on CAGR Forecast |
- Geographic Relevance |
- Impact Timeline |

eCall and Data-Logging

+4.2%

Europe, North America, APAC core

Medium term (2-4 years)

OTA Software Monetization

|

+3.8%

Global, with early gains in North America, China

Short term (≤ 2 years)

Predictive Maintenance

|

+3.1%

North America, Europe, China

Medium term (2-4 years)

Semiconductor Cost Decline

|

+2.9%
|

Global
|

Short term (≤ 2 years)
|

Usage-Based Insurance

|

+2.4%

|

Europe, North America

|

Long term (≥ 4 years)

|

V2G Communication

|

+2.1%

|

Europe, California, Japan

|

Long term (≥ 4 years)

|

Source: Mordor Intelligence
|

Competitive Landscape

Competitive Landscape

The Electric Vehicle (EV) Telematics Market is moderately fragmented, reflecting a dynamic mix of legacy automotive suppliers, emerging tech firms, and specialized telematics providers competing across different value chain layers. Traditional OEMs increasingly integrate telematics into their platforms, while tech companies bring advanced data analytics and cloud-based services. Tesla stands out with its vertically integrated architecture, enabling seamless over-the-air (OTA) updates that have become industry benchmarks. This capability allows Tesla to rapidly deploy software enhancements, diagnostics, and feature upgrades without physical intervention.

Strategic positioning centers on integrating secure connectivity, edge intelligence, and monetizable data pipelines. Suppliers differentiate by offering turnkey stacks spanning hardware, middleware, cloud analytics, and compliance toolkits. Partnerships flourish: telecom carriers provide eSIM lifecycle management, cyber-security firms supply penetration-testing services, and AI specialists contribute predictive-maintenance algorithms. Vendors capable of harmonizing these disciplines capture wallet share among OEMs transitioning to software-defined vehicles.

Niche opportunities emerge in vehicle-to-grid energy trading, carbon-indexed insurance telematics, and in-cab driver behavior analytics. Chinese chipset makers accelerate cost reduction, challenging incumbent silicon suppliers. Consolidation is likely as mid-tier players seek scale to fund UNECE cyber-security compliance and AI-model training. Market concentration remains in flux as new entrants exploit white spaces while established brands extend portfolios through mergers or joint ventures.

Electric Vehicle Telematics Industry Leaders

*

Continental AG

*

Tesla Inc.

*

Harman International (Samsung)

*

Robert Bosch GmbH

*

Geotab Inc.

*

*Disclaimer: Major Players sorted in no particular order

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Component Component 3 Scope Of The Report Bottom

Global Electric Vehicle Telematics Market Report Scope

By Service

Infotainment and Navigation
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Fleet Management
|

Safety and Security

Diagnostics and Prognostics

Insurance Telematics

V2X and OTA Updates

Segmentation Accordion Item

By Geography

North America

United States

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Canada

|

|

Rest of North America

|

South America

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Brazil

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Argentina

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Rest of South America

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Europe
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Germany
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United Kingdom
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France
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Italy
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Spain
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Russia
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Rest of Europe
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Asia-Pacific
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China
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Japan
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India

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South Korea

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Rest of Asia-Pacific

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Middle-East and Africa

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United Arab Emirates

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Saudi Arabia

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Turkey

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Egypt

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South Africa

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Rest of Middle-East and Africa

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Frequently Asked Questions

What is the projected value of the electric vehicle telematics market in 2030?

The market is forecast to reach USD 20.14 billion by 2030, expanding at a 19.54% CAGR.

Which service segment currently holds the largest share?

Fleet Management services lead with 42.41% share in 2024.

Which connectivity architecture dominates new electric vehicle models?

Embedded solutions commanded 79.24% market share in 2024 owing to factory integration and eSIM provisioning.

Which region will grow the fastest through 2030?

The Middle East and Africa are projected to post the highest 20.06% CAGR.

How do OTA updates benefit automakers financially?

OTA capabilities convert vehicles into subscription platforms, unlocking recurring revenue post-sale while reducing recall costs.

What is the main cyber-security regulation affecting telematics providers in Europe?

UNECE WP.29 Regulation 155 mandates end-to-end cyber-security management systems for all connected vehicles.