+357 96 030922
info@marketpublishers.com

Remote Vehicle Diagnostics Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034

https://marketpublishers.com/r/RA9D0B771662EN.html
Date: November 2025
Pages: 225
Price: US$ 4,850.00 (Single User License)
ID: RA9D0B771662EN

Abstracts

The Global Remote Vehicle Diagnostics Market was valued at USD 14.5 billion in 2024 and is estimated to grow at a CAGR of 16.4% to reach USD 64.8 billion by 2034.

With the increasing adoption of connected vehicles and OEMs prioritizing vehicle uptime and safety, remote diagnostics are becoming essential. Reports from regulatory authorities indicate that over 30 percent of vehicle recalls are linked to electronic or software issues, underlining the need for real-time monitoring and rapid fault detection. The growing complexity of vehicle powertrains and electronic systems is further fueling demand for advanced diagnostic hardware. AI-powered platforms and cloud-based analytics convert telemetry data into actionable insights, enabling predictive maintenance, early detection of potential failures, and minimized service downtime. These solutions allow OEMs and fleet operators to optimize workshop operations, plan proactive maintenance, and enhance vehicle performance and reliability throughout the lifecycle. As the automotive industry moves toward service-oriented models, fleets are increasingly leveraging managed diagnostics that monitor vehicles around the clock, integrate remote service guidance, and provide predictive maintenance recommendations, helping reduce operational costs and improve vehicle availability.

The hardware segment held a 64.7% share of the market in 2024. This category encompasses OBD-II diagnostic devices, embedded telematics control units (TCUs), and OEM gateways, which form the essential backbone of remote vehicle diagnostics. These components are critical for collecting, transmitting, and processing real-time data from a vehicle’s engine, transmission, safety systems, and electronic modules. The increasing complexity of modern powertrains, hybrid and electric vehicle architectures, and advanced driver-assistance systems (ADAS) has driven higher demand for reliable

+357 96 030922
info@marketpublishers.com

diagnostic hardware.

The passenger vehicles segment is expected to grow at a CAGR of 15.4% from 2025 to 2034, driven by telematics adoption, predictive maintenance demand, and sophisticated onboard monitoring. Remote diagnostics enable continuous monitoring of engine, transmission, battery, and safety systems, improving reliability and user experience through over-the-air updates and timely alerts.

U.S. Remote Vehicle Diagnostics Market accounted for 82.2% share in 2024, generating USD 4.82 billion. Growth is driven by widespread connected passenger vehicles, advanced telematics adoption, and supportive regulations, providing significant opportunities for both OEM-installed and aftermarket solutions.

Major players in the Global Remote Vehicle Diagnostics Market include GM/OnStar, Bosch, Denso, Omnitracs, Harman, ZF, Continental, Verizon Connect, Valeo, and Geotab. Companies are strengthening their Remote Vehicle Diagnostics Market position by investing in AI-driven analytics and cloud platforms to enhance predictive maintenance capabilities. They are forming strategic alliances with OEMs and fleet operators to expand solution deployment and capture long-term contracts. Continuous innovation in embedded diagnostic hardware, telematics units, and software platforms improves service quality and reliability. Firms are also expanding their presence through geographic diversification, acquisitions, and partnerships, ensuring faster market penetration. Additionally, integrating over-the-air updates, cybersecurity features, and real-time fault detection services enhances customer trust and establishes recurring revenue streams while reducing vehicle downtime and maintenance costs.

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

CHAPTER 4 COMPETITIVE LANDSCAPE, 2024

+357 96 030922
info@marketpublishers.com

CHAPTER 5 MARKET ESTIMATES & FORECAST, BY OFFERING, 2021 - 2034 ($MN, UNITS)

5.1 Key trends
5.2 Hardware
  5.2.1 OBD-II diagnostic devices (aftermarket)
  5.2.2 Embedded telematics control units (TCUs)
  5.2.3 OEM diagnostic gateways / ECUs
5.3 Software
  5.3.1 Diagnostic software (DTC, fault-code analytics)
  5.3.2 Predictive maintenance & analytics platforms
  5.3.3 Vehicle health monitoring platforms
5.4 Services
  5.4.1 Remote diagnostic services
  5.4.2 Predictive maintenance services
  5.4.3 Fleet monitoring & advisory services

CHAPTER 6 MARKET ESTIMATES & FORECAST, BY VEHICLE, 2021 - 2034 ($MN, UNITS)

6.1 Key trends
6.2 Passenger Cars
  6.2.1 Hatchback
  6.2.2 Sedan
  6.2.3 SUV
6.3 Commercial vehicles
  6.3.1 Light commercial vehicles (LCV)
  6.3.2 Medium commercial vehicles (MCV)
  6.3.3 Heavy commercial vehicles (HCV)

CHAPTER 7 MARKET ESTIMATES & FORECAST, BY CONNECTIVITY, 2021 - 2034 ($MN, UNITS)

7.1 Key trends
7.2 Cellular (4G / LTE / 5G)
7.3 Short-range (Wi-Fi / Bluetooth)
7.4 Satellite

CHAPTER 8 MARKET ESTIMATES & FORECAST, BY APPLICATION, 2021 - 2034

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

CHAPTER 11 COMPANY PROFILES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Remote Vehicle Diagnostics Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034

Product link: https://marketpublishers.com/r/RA9D0B771662EN.html

Price: US$ 4,850.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/RA9D0B771662EN.html