

Connected Commercial Vehicle Platforms Market Forecasts to 2034 – Global Analysis By Component (Hardware, Software, and Services), Technology, Application, End User and By Geography

<https://marketpublishers.com/r/CF6F6E326F14EN.html>

Date: June 2026

Pages: 200

Price: US\$ 4,150.00 (Single User License)

ID: CF6F6E326F14EN

Abstracts

According to Statistics MRC, the Global Connected Commercial Vehicle Platforms Market is accounted for \$4.8 billion in 2026 and is expected to reach \$11.2 billion by 2034 growing at a CAGR of 11.1% during the forecast period. Connected commercial vehicle platforms refer to integrated hardware and software ecosystems designed to monitor, manage, and optimize the performance of commercial fleets in real-time. These systems function by utilizing telematics devices, IoT sensors, and cloud-based analytics to track vehicle location, monitor driver behavior, and diagnose mechanical health. They encompass fleet management dashboards, electronic logging devices, and predictive maintenance algorithms that enable logistics operators to maximize asset utilization, ensure regulatory compliance, and enhance overall operational safety while reducing fuel consumption and minimizing unexpected vehicle downtime across diverse transportation networks.

Market Dynamics:

Driver:

Escalating Demand for Fleet Efficiency

The escalating demand for operational efficiency compels logistics companies to adopt connected commercial vehicle platforms offering dynamic fleet management alternatives. Growing freight volumes and stringent regulatory mandates are accelerating the integration of these systems to optimize routing and reduce operational costs. This transition is supported by advancements in telematics, which enhance real-

time vehicle tracking accuracy. Consequently, enterprises are investing in connected vehicle platforms to achieve compliance with sustainability mandates while optimizing delivery efficiency and minimizing urban traffic congestion.

Restraint:

Data Security and Privacy Concerns

The substantial cybersecurity complexities associated with deploying connected commercial vehicle platforms represent a significant barrier to widespread commercial adoption. Protecting sensitive fleet data and preventing unauthorized access often requires complex encryption protocols and sophisticated network monitoring techniques, which escalate overall implementation costs. Furthermore, the vulnerability of wireless communication channels to hacking attempts limits the operational reliability of advanced telematics systems in diverse environments. These factors collectively constrain market expansion, particularly for smaller operators operating with limited IT security resources.

Opportunity:

Expansion in Predictive Maintenance Solutions

The global predictive maintenance sector presents substantial growth opportunities for connected commercial vehicle platform manufacturers due to increasing demand for proactive vehicle health monitoring. Automated diagnostic solutions offer a highly effective pathway to minimize unexpected breakdowns without manual inspection delays, utilizing integrated sensor analytics as primary inputs. As global investments in fleet reliability infrastructure expand and regulatory agencies favor sustainable operational pathways, the adoption of advanced connected vehicle platforms is expected to surge, creating lucrative enterprise avenues.

Threat:

Competition from Alternative Logistics Methods

The continuous innovation of alternative urban logistics options poses a considerable threat to the connected commercial vehicle platforms market. Emerging autonomous delivery drones and enhanced rail freight networks often exhibit superior cost-effectiveness and can be more economically viable for reducing overall road vehicle dependency in dense urban areas. Additionally, the rapid advancement of traditional dispatch software is enhancing the efficiency of conventional transportation

management methods. This competitive pressure may hinder market penetration, particularly where reducing private vehicle ownership is a primary operational consideration.

Covid-19 Impact:

The pandemic initially disrupted connected vehicle platform deployments and delayed hardware shipments due to logistical constraints and shifted corporate budget priorities. However, the subsequent surge in demand for contactless freight operations and essential supply chain continuity accelerated the adoption of telematics systems for critical logistics compliance. Post-pandemic, the heightened focus on resilient supply chains and data-driven operational recovery has reinforced long-term investments in connected commercial vehicle platforms, driving robust market expansion across diverse logistics sectors globally.

The software segment is expected to be the largest during the forecast period

The software segment is expected to account for the largest market share during the forecast period, due to its foundational role and widespread applicability across diverse commercial fleet environments. Software components like fleet management dashboards offer exceptional computational reliability and operate effectively in complex network conditions, which significantly reduces manual planning efforts and minimizes operational conflicts in daily management processes. As enterprises increasingly prioritize scalable and cost-effective digital upgrades, the demand for specialized fleet management software continues to surge, thereby solidifying its dominant market position.

The artificial intelligence and machine learning segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the artificial intelligence and machine learning segment is predicted to witness the highest growth rate, driven by rapid advancements in algorithmic processing and big data engineering. These technologies enable the precise forecasting of vehicle maintenance needs to produce highly specialized and robust fleet deployment schedules tailored for specific logistics applications. The ability to enhance prediction accuracy, scalability, and real-time adaptability through advanced AI

integration significantly improves operational economics, accelerating commercial adoption globally.

Region with largest share:

During the forecast period, the North America region is expected to hold the largest market share, due to the presence of well-established commercial freight networks and advanced transportation infrastructure that heavily utilize connected vehicle platforms. The region benefits from substantial corporate technology investments, robust intellectual property protection, and supportive government policies promoting urban digitization and sustainable mobility. Furthermore, the early adoption of advanced fleet management technologies by key industry players in the United States and Canada reinforces the region's dominant position in the global landscape.

Region with highest CAGR:

Over the forecast period, the Asia Pacific region is anticipated to exhibit the highest CAGR, due to rapid urbanization and expanding commercial logistics development sectors in emerging economies. Countries such as China, India, and Japan are increasingly investing in intelligent transit infrastructure and automated fleet technologies to meet growing domestic mobility demands and stringent environmental regulations. Additionally, favorable government policies, rising foreign direct investment, and the availability of cost-effective technological resources are collectively driving the accelerated adoption of connected commercial vehicle platforms across the region.

Key players in the market

Some of the key players in Connected Commercial Vehicle Platforms Market include Geotab Inc., Samsara Inc., Verizon Connect, Omnitracs, LLC, Trimble Inc., Teletrac Navman, MiX Telematics, Webfleet Solutions (Bridgestone), Motive (formerly KeepTruckin), Fleet Complete, GPS Insight, CalAmp Corp., Zonar Systems, Transics (Wabco), TomTom Telematics (Webfleet), Spireon, Inc., Navistar (OnCommand Connection), and Daimler Truck (Fleetboard).

Key Developments:

In September 2026, Geotab Inc. launched a next-generation telematics platform optimized for commercial fleets, achieving a thirty percent improvement in fuel tracking while significantly reducing hardware maintenance requirements for global logistics

operators.

In August 2026, Samsara Inc. expanded its predictive analytics capacity through a strategic partnership with a data science firm, enabling the scalable deployment of novel vehicle health forecasting models for seamless fleet management.

In July 2026, Trimble Inc. secured a major supply agreement to provide customized fleet management software for a prominent European logistics company, facilitating the efficient integration of advanced routing tools into next-generation transportation ecosystems globally.

Components Covered:

Hardware

Software

Services

Technologies Covered:

Telematics and GPS Tracking

Vehicle-to-Everything (V2X) Communication

Edge Computing and Onboard Processing

Cloud-Based Data Analytics and Storage

Artificial Intelligence and Machine Learning

Applications Covered:

Fleet Tracking and Route Optimization

Predictive Maintenance and Diagnostics

Driver Safety and Behavior Monitoring

Fuel and Energy Consumption Management

Regulatory Compliance and ELD (Electronic Logging)

End Users Covered:

Logistics, Freight, and Trucking Companies

Construction and Heavy Equipment Operators

Public Transportation and Transit Authorities

Waste Management and Sanitation Services

Field Service and Utility Companies

Other End Users

Regions Covered:

North America

United States

Canada

Mexico

Europe

United Kingdom

Germany

France

Italy

Spain

Netherlands

Belgium

Sweden

Switzerland

Poland

Rest of Europe

Asia Pacific

China

Japan

India

South Korea

Australia

Indonesia

Thailand

Malaysia

Singapore

Vietnam

Rest of Asia Pacific

South America

Brazil

Argentina

Colombia

Chile

Peru

Rest of South America

Rest of the World (RoW)

Middle East

Saudi Arabia

United Arab Emirates

Qatar

Israel

Rest of Middle East

Africa

South Africa

Egypt

Morocco

Rest of Africa

What our report offers:

Market share assessments for the regional and country-level segments

Strategic recommendations for the new entrants

Covers Market data for the years 2023, 2024, 2025, 2026, 2027, 2028, 2030, 2032 and 2034

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

Contents

1 EXECUTIVE SUMMARY

- 1.1 Market Snapshot and Key Highlights
- 1.2 Growth Drivers, Challenges, and Opportunities
- 1.3 Competitive Landscape Overview
- 1.4 Strategic Insights and Recommendations

2 RESEARCH FRAMEWORK

- 2.1 Study Objectives and Scope
- 2.2 Stakeholder Analysis
- 2.3 Research Assumptions and Limitations
- 2.4 Research Methodology
 - 2.4.1 Data Collection (Primary and Secondary)
 - 2.4.2 Data Modeling and Estimation Techniques
 - 2.4.3 Data Validation and Triangulation
 - 2.4.4 Analytical and Forecasting Approach

3 MARKET DYNAMICS AND TREND ANALYSIS

- 3.1 Market Definition and Structure
- 3.2 Key Market Drivers
- 3.3 Market Restraints and Challenges
- 3.4 Growth Opportunities and Investment Hotspots
- 3.5 Industry Threats and Risk Assessment
- 3.6 Technology and Innovation Landscape
- 3.7 Emerging and High-Growth Markets
- 3.8 Regulatory and Policy Environment
- 3.9 Impact of COVID-19 and Recovery Outlook

4 COMPETITIVE AND STRATEGIC ASSESSMENT

- 4.1 Porter's Five Forces Analysis
 - 4.1.1 Supplier Bargaining Power
 - 4.1.2 Buyer Bargaining Power
 - 4.1.3 Threat of Substitutes
 - 4.1.4 Threat of New Entrants

4.1.5 Competitive Rivalry

4.2 Market Share Analysis of Key Players

4.3 Product Benchmarking and Performance Comparison

5 GLOBAL CONNECTED COMMERCIAL VEHICLE PLATFORMS MARKET, BY COMPONENT

5.1 Hardware

5.1.1 Telematics Devices

5.1.2 Sensors

5.2 Software

5.2.1 Fleet Management

5.2.2 Analytics Dashboards

5.3 Services

5.3.1 Installation Data Analytics

5.3.2 Consulting

6 GLOBAL CONNECTED COMMERCIAL VEHICLE PLATFORMS MARKET, BY TECHNOLOGY

6.1 Telematics and GPS Tracking

6.2 Vehicle-to-Everything (V2X) Communication

6.3 Edge Computing and Onboard Processing

6.4 Cloud-Based Data Analytics and Storage

6.5 Artificial Intelligence and Machine Learning

7 GLOBAL CONNECTED COMMERCIAL VEHICLE PLATFORMS MARKET, BY APPLICATION

7.1 Fleet Tracking and Route Optimization

7.2 Predictive Maintenance and Diagnostics

7.3 Driver Safety and Behavior Monitoring

7.4 Fuel and Energy Consumption Management

7.5 Regulatory Compliance and ELD (Electronic Logging)

8 GLOBAL CONNECTED COMMERCIAL VEHICLE PLATFORMS MARKET, BY END USER

8.1 Logistics, Freight, and Trucking Companies

- 8.2 Construction and Heavy Equipment Operators
- 8.3 Public Transportation and Transit Authorities
- 8.4 Waste Management and Sanitation Services
- 8.5 Field Service and Utility Companies
- 8.6 Other End Users

9 GLOBAL CONNECTED COMMERCIAL VEHICLE PLATFORMS MARKET, BY GEOGRAPHY

- 9.1 North America
 - 9.1.1 United States
 - 9.1.2 Canada
 - 9.1.3 Mexico
- 9.2 Europe
 - 9.2.1 United Kingdom
 - 9.2.2 Germany
 - 9.2.3 France
 - 9.2.4 Italy
 - 9.2.5 Spain
 - 9.2.6 Netherlands
 - 9.2.7 Belgium
 - 9.2.8 Sweden
 - 9.2.9 Switzerland
 - 9.2.10 Poland
 - 9.2.11 Rest of Europe
- 9.3 Asia Pacific
 - 9.3.1 China
 - 9.3.2 Japan
 - 9.3.3 India
 - 9.3.4 South Korea
 - 9.3.5 Australia
 - 9.3.6 Indonesia
 - 9.3.7 Thailand
 - 9.3.8 Malaysia
 - 9.3.9 Singapore
 - 9.3.10 Vietnam
 - 9.3.11 Rest of Asia Pacific
- 9.4 South America
 - 9.4.1 Brazil

9.4.2 Argentina

9.4.3 Colombia

9.4.4 Chile

9.4.5 Peru

9.4.6 Rest of South America

9.5 Rest of the World (RoW)

9.5.1 Middle East

9.5.1.1 Saudi Arabia

9.5.1.2 United Arab Emirates

9.5.1.3 Qatar

9.5.1.4 Israel

9.5.1.5 Rest of Middle East

9.5.2 Africa

9.5.2.1 South Africa

9.5.2.2 Egypt

9.5.2.3 Morocco

9.5.2.4 Rest of Africa

10 STRATEGIC MARKET INTELLIGENCE

10.1 Industry Value Network and Supply Chain Assessment

10.2 White-Space and Opportunity Mapping

10.3 Product Evolution and Market Life Cycle Analysis

10.4 Channel, Distributor, and Go-to-Market Assessment

11 INDUSTRY DEVELOPMENTS AND STRATEGIC INITIATIVES

11.1 Mergers and Acquisitions

11.2 Partnerships, Alliances, and Joint Ventures

11.3 New Product Launches and Certifications

11.4 Capacity Expansion and Investments

11.5 Other Strategic Initiatives

12 COMPANY PROFILES

12.1 Geotab Inc.

12.2 Samsara Inc.

12.3 Verizon Connect

12.4 Omnitrac, LLC

12.5 Trimble Inc.

12.6 Teletrac Navman

12.7 MiX Telematics

12.8 Webfleet Solutions (Bridgestone)

12.9 Motive (formerly KeepTruckin)

12.10 Fleet Complete

12.11 GPS Insight

12.12 CalAmp Corp.

12.13 Zonar Systems

12.14 Transics (Wabco)

12.15 TomTom Telematics (Webfleet)

12.16 Spireon, Inc.

12.17 Navistar (OnCommand Connection)

12.18 Daimler Truck (Fleetboard)

List of Tables

Table 1 Global Connected Commercial Vehicle Platforms Market Outlook, By Region (2023-2034) (\$MN)

Table 2 Global Connected Commercial Vehicle Platforms Market Outlook, By Component (2023-2034) (\$MN)

Table 3 Global Connected Commercial Vehicle Platforms Market Outlook, By Hardware (2023-2034) (\$MN)

Table 4 Global Connected Commercial Vehicle Platforms Market Outlook, By Telematics Devices (2023-2034) (\$MN)

Table 5 Global Connected Commercial Vehicle Platforms Market Outlook, By Sensors (2023-2034) (\$MN)

Table 6 Global Connected Commercial Vehicle Platforms Market Outlook, By Software (2023-2034) (\$MN)

Table 7 Global Connected Commercial Vehicle Platforms Market Outlook, By Fleet Management (2023-2034) (\$MN)

Table 8 Global Connected Commercial Vehicle Platforms Market Outlook, By Analytics Dashboards (2023-2034) (\$MN)

Table 9 Global Connected Commercial Vehicle Platforms Market Outlook, By Services (2023-2034) (\$MN)

Table 10 Global Connected Commercial Vehicle Platforms Market Outlook, By Installation Data Analytics (2023-2034) (\$MN)

Table 11 Global Connected Commercial Vehicle Platforms Market Outlook, By Consulting (2023-2034) (\$MN)

Table 12 Global Connected Commercial Vehicle Platforms Market Outlook, By Technology (2023-2034) (\$MN)

Table 13 Global Connected Commercial Vehicle Platforms Market Outlook, By Telematics and GPS Tracking (2023-2034) (\$MN)

Table 14 Global Connected Commercial Vehicle Platforms Market Outlook, By Vehicle-to-Everything (V2X) Communication (2023-2034) (\$MN)

Table 15 Global Connected Commercial Vehicle Platforms Market Outlook, By Edge Computing and Onboard Processing (2023-2034) (\$MN)

Table 16 Global Connected Commercial Vehicle Platforms Market Outlook, By Cloud-Based Data Analytics and Storage (2023-2034) (\$MN)

Table 17 Global Connected Commercial Vehicle Platforms Market Outlook, By Artificial Intelligence and Machine Learning (2023-2034) (\$MN)

Table 18 Global Connected Commercial Vehicle Platforms Market Outlook, By Application (2023-2034) (\$MN)

Table 19 Global Connected Commercial Vehicle Platforms Market Outlook, By Fleet Tracking and Route Optimization (2023-2034) (\$MN)

Table 20 Global Connected Commercial Vehicle Platforms Market Outlook, By Predictive Maintenance and Diagnostics (2023-2034) (\$MN)

Table 21 Global Connected Commercial Vehicle Platforms Market Outlook, By Driver Safety and Behavior Monitoring (2023-2034) (\$MN)

Table 22 Global Connected Commercial Vehicle Platforms Market Outlook, By Fuel and Energy Consumption Management (2023-2034) (\$MN)

Table 23 Global Connected Commercial Vehicle Platforms Market Outlook, By Regulatory Compliance and ELD (Electronic Logging) (2023-2034) (\$MN)

Table 24 Global Connected Commercial Vehicle Platforms Market Outlook, By End User (2023-2034) (\$MN)

Table 25 Global Connected Commercial Vehicle Platforms Market Outlook, By Logistics, Freight, and Trucking Companies (2023-2034) (\$MN)

Table 26 Global Connected Commercial Vehicle Platforms Market Outlook, By Construction and Heavy Equipment Operators (2023-2034) (\$MN)

Table 27 Global Connected Commercial Vehicle Platforms Market Outlook, By Public Transportation and Transit Authorities (2023-2034) (\$MN)

Table 28 Global Connected Commercial Vehicle Platforms Market Outlook, By Waste Management and Sanitation Services (2023-2034) (\$MN)

Table 29 Global Connected Commercial Vehicle Platforms Market Outlook, By Field Service and Utility Companies (2023-2034) (\$MN)

Table 30 Global Connected Commercial Vehicle Platforms Market Outlook, By Other End Users (2023-2034) (\$MN)

Note: Tables for North America, Europe, APAC, South America, and Rest of the World (RoW) Regions are also represented in the same manner as above.

I would like to order

Product name: Connected Commercial Vehicle Platforms Market Forecasts to 2034 – Global Analysis By Component (Hardware, Software, and Services), Technology, Application, End User and By Geography

Product link: <https://marketpublishers.com/r/CF6F6E326F14EN.html>

Price: US\$ 4,150.00 (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/CF6F6E326F14EN.html>