

Global Connected Truck Market Size Study & Forecast, by Communication Type, Vehicle Type, and Regional Forecasts 2025-2035

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Abstracts

The Global Connected Truck Market is valued at approximately USD 31.17 billion in 2024 and is projected to expand at a compound annual growth rate (CAGR) of 18.10% during the forecast period 2025–2035. Connected trucks are revolutionizing the transportation landscape by enabling seamless integration of telematics, real-time data analytics, and smart communication networks within commercial vehicle fleets. These intelligent vehicles communicate with other vehicles, infrastructure, and cloud systems, fostering predictive maintenance, improving route optimization, and enhancing driver safety. The growth of this market is strongly underpinned by the surging demand for fleet automation, the expanding reach of 5G networks, and an increasing emphasis on reducing vehicle downtime and improving logistics efficiency across the global supply chain.

A decisive shift toward digitalized fleet management is compelling logistics companies and OEMs to embrace connected vehicle ecosystems. The industry is witnessing a strong uptake of Vehicle-to-Infrastructure (V2I), Vehicle-to-Vehicle (V2V), and Vehicle-to-Cloud (V2C) technologies to monitor vehicle health, track assets in real time, and ensure regulatory compliance. Moreover, government-led initiatives promoting smart mobility and investments in transportation infrastructure are creating a fertile environment for connected truck deployments. However, concerns related to cybersecurity vulnerabilities, high initial integration costs, and lack of standardization in communication protocols pose potential challenges. Despite these hurdles, rapid advancements in artificial intelligence, cloud computing, and IoT platforms continue to unlock new avenues for intelligent logistics and real-time fleet optimization.

From a regional lens, North America dominates the connected truck market owing to its

mature digital infrastructure, early adoption of V2X technologies, and robust presence of key automotive OEMs and telematics providers. The United States, in particular, is leveraging connected technologies to transform its commercial vehicle sector, propelled by government-backed infrastructure plans and stringent safety mandates. Meanwhile, Europe is emerging as a key contender, fueled by its aggressive push toward carbon neutrality and smart logistics frameworks. Notably, countries like Germany, the Netherlands, and Sweden are witnessing growing deployments of autonomous and semi-autonomous trucks across cross-border routes. In contrast, the Asia Pacific region is poised for exponential growth over the forecast period, led by China, Japan, and India. The ongoing expansion of logistics and e-commerce in these economies, coupled with increasing government investments in smart road systems and vehicle connectivity, is expected to significantly accelerate the adoption of connected trucks.

Major market player included in this report are:

Daimler AG

Volvo Group

Bosch GmbH

Continental AG

ZF Friedrichshafen AG

Intel Corporation

Trimble Inc.

WABCO Holdings Inc.

Tata Motors

Scania AB

PTC Inc.

Geotab Inc.

Verizon Communications Inc.

TomTom International

AT&T Inc.

Global Connected Truck Market Report Scope:

Historical Data – 2023, 2024

Base Year for Estimation – 2024

Forecast period - 2025-2035

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analysts' working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values for the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within the countries involved in the study. The report also provides detailed information about crucial aspects, such as driving factors and challenges, which will define the future growth of the market. Additionally, it incorporates potential opportunities in micro-markets for stakeholders to invest, along with a detailed analysis of the competitive landscape and product offerings of key players. The detailed segments and sub-segments of the market are explained below:

By Communication Type:

Vehicle to Vehicle (V2V)

Vehicle to Cloud (V2C)

Vehicle to Infrastructure (V2I)

By Vehicle Type:

Light Commercial Vehicle

Heavy Commercial Vehicle

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

UAE

Saudi Arabia

South Africa

Rest of Middle East & Africa

Key Takeaways:

Market Estimates & Forecast for 10 years from 2025 to 2035.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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