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Global Automotive Cybersecurity Market Size Study & Forecast, by Form, Offering, Security, Vehicle Type, Application, Propulsion, Vehicle Autonomy, Approach, EV Application, and Regional Forecasts 2025–2035

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Abstracts

The Global Automotive Cybersecurity Market is estimated to be valued at approximately USD 2.96 billion in 2024 and is projected to grow at a remarkable CAGR of 18.50% over the forecast period from 2025 to 2035, reaching a valuation of USD 19.15 billion by 2035. As the automotive sector pivots towards hyper-connectivity and autonomous functionalities, cybersecurity has emerged as an indispensable pillar to safeguard vehicular integrity and user trust. The proliferation of software-defined vehicles, over-the-air updates, advanced telematics, and real-time data exchanges has exponentially expanded the potential attack surface, mandating robust, adaptive, and layered security frameworks.

The rapid adoption of electric and autonomous vehicles has drastically altered the cyber threat landscape. Embedded controllers, cloud-connected platforms, and AI-powered driving systems have heightened the demand for integrated and end-to-end cybersecurity solutions. Threats ranging from remote hijacking and unauthorized data access to manipulation of critical driving systems are pushing OEMs and tier-1 suppliers to embed security at both the hardware and software levels. Regulatory bodies around the globe, particularly UNECE WP.29 and ISO/SAE 21434, are driving compliance mandates, further compelling manufacturers to weave security considerations into the vehicle lifecycle—from design to decommissioning.

Regionally, North America leads the automotive cybersecurity market owing to its mature connected car ecosystem, strong regulatory enforcement, and early adoption of

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autonomous driving pilots. The presence of leading cybersecurity firms, combined with strategic collaborations between automakers and tech giants, has fostered a fertile ground for innovation. Europe trails closely, fortified by stringent EU cybersecurity directives, a high penetration of premium connected vehicles, and a unified push for cross-border digital infrastructure. Meanwhile, Asia Pacific is set to register the fastest growth, led by China’s aggressive electric vehicle policies, Japan’s smart mobility investments, and India’s emerging automotive digitization. These dynamics are propelling demand for security solutions tailored to local ecosystems, ensuring that OEMs can deliver trust and reliability at scale.

Major market player included in this report are:

Continental AG

Aptiv PLC

Harman International (Samsung Electronics)

NXP Semiconductors N.V.

Infineon Technologies AG

Intel Corporation

Robert Bosch GmbH

Cisco Systems, Inc.

Honeywell International Inc.

Garrett Motion Inc.

ESCRYPT GmbH (a Bosch company)

Lear Corporation

Argus Cyber Security

Karamba Security

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Green Hills Software

Global Automotive Cybersecurity 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 Form:

In-Vehicle

External Cloud Services

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By Offering:

- Hardware
- Software

By Security:

- Application Security
- Network Security
- Endpoint Security

By Vehicle Type:

- Passenger Cars
- Commercial Vehicles

By Application:

- ADAS & Safety
- Infotainment
- Powertrain
- Body Control & Comfort
- Communication Systems

By Propulsion:

- ICE Vehicles

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Electric Vehicles

By Vehicle Autonomy:

Semi-Autonomous

Fully Autonomous

By Approach:

Intrusion Detection System (IDS)

Intrusion Prevention System (IPS)

By EV Application:

Battery Management System (BMS)

EV Charging System

Telematics Control Unit (TCU)

Motor Control Unit

By Region:

North America

U.S.

Canada

Europe

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- UK
- Germany
- France
- Spain
- Italy
- Rest of Europe

Asia Pacific

- China
- India
- Japan
- Australia
- South Korea
- Rest of Asia Pacific

Latin America

- Brazil
- Mexico

Middle East & Africa

- UAE

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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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