

US Vehicle-to-Infrastructure (V2I) Communication Market Size Study, By Component (Hardware, Software, Services), By Application (Dedicated Short-Range Communications, Cellular, Wi-Fi, WiMAX, Bluetooth) Forecasts 2022-2032

<https://marketpublishers.com/r/UB9C083DC560EN.html>

Date: July 2024

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: UB9C083DC560EN

Abstracts

US Vehicle-to-Infrastructure (V2I) Communication Market is valued at approximately USD 63.32 million in 2023 and is anticipated to grow with a healthy growth rate of more than 42.14% over the forecast period 2024-2032. Vehicle-to-Infrastructure (V2I) communication is a technology that enables automobiles to interact and share data with infrastructure elements such as traffic signals, road signs, and other vehicles. V2I communication's key goals are to improve road safety, reduce traffic congestion, promote environmental sustainability, and improve the overall driving experience. The rising focus on low-latency communication infrastructure is gaining attention towards US Vehicle-to-Infrastructure (V2I) Communication Market. Low-latency communication is essential for the real-time transmission of data between vehicles and infrastructure. This immediate exchange of information is critical for applications that require instantaneous responses, such as collision avoidance systems, emergency braking, and traffic signal timing adjustments.

The US Vehicle-to-Infrastructure (V2I) Communication Market is driven by the deployment of connected vehicles and supportive government initiatives toward the implementation of V2I technologies across the region. Connected vehicles receive real-time alerts from infrastructure about potential dangers, such as road work, accidents, or severe weather conditions. This information allows drivers to take preventive measures, thereby enhancing road safety. V2I communication supports the development of these advanced safety features, which are increasingly becoming standard in new vehicle models. In addition, the Federal Highway Administration's Connected Vehicle Pilot

Deployment Program and various state-level initiatives are providing funding and regulatory support to accelerate the adoption of V2I systems. However, high spending associated with Vehicle-to-Infrastructure (V2I) Communication and less availability of V2I-enabled infrastructure is going to impede the overall demand for the market during the forecast period 2024-2032.

Major market player included in this report are:

Intel Corporation

Broadcom Inc

AT&T, Inc

Verizon Communications Inc

MediaTek Inc

Harman International

Qualcomm Incorporated

Company 8

Company 9

Company 10

The detailed segments and sub-segment of the market are explained below:

By Component

Hardware

Software

Services

By Application

Dedicated Short-Range Communications

Cellular

Wi-Fi

WiMAX

Bluetooth

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and Country 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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