



VEHICLE CONNECT SOLUTION

Adjust to the Fast growing Vehicle-to-Everything Connectivity Market

Visiongain's report¹ on the global automotive "Vehicle-to-X" (V2X) market states that V2X is undeniably one of the fastest growing aspects of the automotive industry that will generate revenues of more than \$37 billion in 2016 and sales of vehicles equipped with V2X modules will amount to 47.1 million vehicles in 2016. V2X technology facilitates autonomous communication between vehicles, and between vehicles and infrastructure to improve road safety, alleviate traffic congestion, and reduce fuel and energy consumption thus enhancing the overall driver/passenger experience.

Accelerate development of V2X applications

HARMAN Ignite Platform integrates with other platforms like smart homes (Vehicle-to-Home), smart infrastructures, and even Vehicle-to-Vehicle – which helps simplify, streamline and enhance end-user experiences. The Vehicle Connect Solution from HARMAN accelerates the development of V2X applications for Automakers and Tier 1 suppliers. Using this solution they can build and customize applications such as driverless cars, road safety, house safety, collision warning, road hazard warning and intelligent transport systems. The solution is platform agnostic and can work with any target operating systems.

With the help of the Portal Personalization solution offered as SaaS over the HARMAN Ignite Platform, the V2X applications can be further customized enabling services and automating features that support user's driving and digital lifestyle. The Vehicle Connect solution includes a scalable cloud-based platform and API's, and an integrated client (mobile application & embedded). It is also offered as a white-labeled solution if desired. The solution also constitutes components and SaaS services like geo-fencing integration and API integration with platforms like Nest, allowing companies to introduce and quickly deploy custom functions/services.

Top-line Benefits

- Connect your vehicle, home, and other IoT solutions empowering customers to control and enhance their digital lifestyle
- Automatically triggers user preferences and shares information as needed
- Simplify and streamline user interactions with IoT systems and vehicle while improving safety
- Federate the drivers preferences across an IoT ecosystem
- Based on scalable HARMAN Ignite Platform that grows with your business
- Offered as a subscription service - no need for huge capital investments

Why HARMAN?

Shortening Time-to-Market

Shorten your time from concept to delivery using our best practices, turn-key delivery models and rich talent pool.

Cross-platform

Take advantage of our experience in multiple industry verticals and leading platforms to rapidly exploit new market opportunities.

Global delivery footprint

Our skilled, talented engineers deliver solutions to companies like yours from centers throughout the world.

Solution accelerators

Get access to leading edge innovation and best practice by using our solution accelerators and global pool of partnerships.

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Features and Benefits

Rapid development and faster time-to-market via a pre-integrated solution	Rich set of APIs available to integrate with external platforms thus delivering enhanced experiences. This makes it portable across platforms.
Portable Personalization (additional add-on option)	<ul style="list-style-type: none">• Offered as a SaaS solution• Captures profiles, preferences and subscriptions• Triggers and shares information as needed• Extreme personalization can be achieved without any intrusion
Alerts and warnings to take preventive and corrective actions	<ul style="list-style-type: none">• Ability to automatically trigger events from vehicle-to-home (i.e., Nest lighting, alarms, security, further automate home/away profiles) leveraging profile preferences• The alerts can be configured to be received over mobile phone, e-mail or to the head unit in the car when the user is driving
Embedded and integrated user experience	<ul style="list-style-type: none">• Strong partnerships aligned with industry players which provide complementary solutions that can enhance the user experience.• Integrations available with external platforms
Enables building of numerous applications for road safety and home safety	<p>Examples of applications that can be built using Vehicle Connect solution are:</p> <ul style="list-style-type: none">• Applications supporting Intelligent transport systems• Home management and home safety from car• Collision warning• Road hazard warning• City information• Parking assistance• Intersection assistance• Highway information

Partner with an industry expert

HARMAN (harman.com) designs and engineers connected products and solutions for automakers, consumers, and enterprises worldwide, including connected car systems, audio and visual products, enterprise automation solutions; and services supporting the Internet of Things. With leading brands including AKG®, Harman Kardon®, Infinity®, JBL®, Lexicon®, Mark Levinson® and Revel®, HARMAN is admired by audiophiles, musicians and the entertainment venues where they perform around the world. More than 50 million automobiles on the road today are equipped with HARMAN audio and connected car systems. Our software services power billions of mobile devices and systems that are connected, integrated and secure across all platforms, from work and home to car and mobile. HARMAN has a workforce of approximately 30,000 people across the Americas, Europe, and Asia. In March 2017, HARMAN became a wholly-owned subsidiary of Samsung Electronics Co., Ltd.

Visit our website at harmanconnected.services/vehicle-connect

