Increasing Cybersecurity Threats

With predictions of over 100 million connected vehicles on the road by 2030, automotive cybersecurity protection is more important than ever. And as connected vehicles evolve and become more advanced—requiring hundreds of millions of lines of software code to operate and power advanced features—the number of cybersecurity threats will continue to grow. A multi-layer, defense-in-depth security approach combined with real-time data collection and the efficient and reliable delivery of over-the-air (OTA) software updates will be essential for automakers to address cybersecurity threats, reduce operational expenses, and deliver new advanced driver assistance systems, vehicle-to-everything, and autonomous driving innovations.

Robust Multi-Layer Cybersecurity Protection

Combining Airbiquity’s OTAmatic® OTA software update, data management, and upgradeable edge analytics module features with SafeRide’s vSentry™ multi-layer cybersecurity solution provides automakers and automotive suppliers with a robust end-to-end and future-proof cybersecurity system for connected vehicles. When the vSentry anomaly detection module running in OTAmatic’s data agent detects a vehicle cyberattack an alert is sent to the OTAmatic cloud which then transmits and installs the specified vehicle software update to remedy the vulnerability and restore protection of the vehicle asset and its occupants.

OTAmatic securely orchestrates and automates connected vehicle software update and data management campaigns from the cloud. OTAmatic provides a sophisticated back-end service delivery management capability with highly refined vehicle and device targeting, discrete policy and privacy controls, customizable consumer communications, and solution deployment flexibility. OTAmatic also features an edge analytics framework supporting upgradable data analytics modules and enhanced multi-layer cybersecurity protection via integration of the compromise-resilient Uptane Security Framework.

SafeRide Technologies is the provider of vSentry—the industry leading multi-layer cybersecurity solution for connected and autonomous vehicles. vSentry monitors all external communication to the vehicle, in-vehicle network traffic, and ECU software in real-time - and provides a zero false-positive firewall, Intrusion Detection and Prevention System (IDPS), and access control to all resources. SafeRide’s vXRay™ advanced AI machine learning and deep learning technology uncovers zero-day vulnerabilities and allows for remediation by updating real-time access control policies over-the-air.
For Additional Information

For Additional Information

Airbiquity® and OTAmatic® are trademarks of Airbiquity Inc. All other products and brand names may be trademarks or registered trademarks of their respective owners. ©2018-2019 Airbiquity Inc. All rights reserved.