OnBoard Security Company Overview

BUILDING CONFIDENCE IN OUR CONNECTED WORLD

OnBoard Security™ is a leading provider to the Vehicle-to-Vehicle (V2V) security, trusted computing and advanced cryptography markets.

We are the security expert that car makers, PC manufacturers, cryptographers and IoT companies have admired and trusted for years. Since our independence from Security Innovation, we are intensifying our laser-like focus on our products and global customers while accelerating the new research and development needed to continue delivering innovation and thought leadership.

OnBoard Security is privately held and headquartered in Wilmington, MA USA

WHY ONBOARD SECURITY?

For over 10 years, the world-renowned experts at OnBoard Security have been pioneering technologies that protect the Internet of Things, now and for the future. We address three significant challenges; ensuring the security and privacy of connected vehicles, making hardware roots of trust easy to use, and avoiding the existential threat from quantum computers to the integrity of the internet. OnBoard Security was created to help automotive and IoT organizations stay ahead of the curve through superior cybersecurity.

OUR EXPERTISE

OnBoard Security's team is made up of some of the leading security experts in their field. We don't just follow the security standards, we help create them. We leverage their knowledge to make our innovative and efficient security products. Often times, we are solving threats before our customers realize they exist. By using our market-leading products and services, our customers stay ahead of the curve in security.

We are at the forefront of securing connected cars, the Internet of Things and avoiding the coming crypto apocalypse.

OnBoard Security

PRODUCTS

AEROLINK

Our groundbreaking product, Aerolink® makes OnBoard Security the undisputed leader in securing Vehicle to Vehicle (V2V) and Vehicle to Infrastructure (V2I) communications. Whether running in software or deeply integrated with cryptographic acceleration hardware, Aerolink provides the optimal mix of automotive security and performance.

TRUSTSENTINEL 2.0

Our Trusted Software Stack (TSS) 2.0 is middleware that provides the core interface and security services framework for any application relying on the Trusted Platform Module (TPM). Unlike other solutions, TrustSentinel 2.0 provides a direct interface to any TCG-compliant TPM chip, allowing your applications to continue to function regardless of the TPM vendor.

PQNTRUSIGN

Quantum Computers will break all popular asymmetric crypto and digital signing algorithms used to secure the Internet, communications and code/document signing today. pqNTRUsign, developed by the NTRU research team through an iterative process starting in 2001, is the most trusted quantum resistant signing algorithm available in the market.

SERVICES

No company possesses greater expertise in securing transportation infrastructure. OnBoard Security works with the key providers of Intelligent Transportation Systems, from standards bodies to equipment manufacturers, infrastructure providers and vehicle manufacturers. As an active and influential practitioner in this field, we have a deep understanding of the technical specifications and interoperability required to provide highly secure platforms for Vehicle-to-Vehicle (V2V) and Vehicle-to- Infrastructure (V2I) solution providers.

RESEARCH & DEVELOPMENT

OnBoard Security's research and development group provides research services to our clients and partners, develops original automotive research initiatives, and builds collaborative relationships with university and other academic organizations. We are building a team of PhD-level automotive cybersecurity specialists to carry out this critical function, lead by Dr. Jonathan Petit, who is well-known for his work on the PRESERVE Connected Vehicle project and his highly-publicized hack on Autonomous Vehicle sensors.

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