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Rambus and Movimento Team to Deliver Personalized Security for Automotive

Integrated solution provides highly secure over-the-air vehicle updates

DETROIT--(BUSINESS WIRE)-- **TU-Automotive** - [Rambus Inc.](#) (NASDAQ:RMBS), a leader in digital security dedicated to providing a secure foundation for a connected world, and [Movimento](#), the leader in Over-the-Air (OTA) software lifecycle and data management for the automotive/IoT sectors, have partnered to deliver secure, convenient and personalized OTA vehicle updates critical to safety and performance in the era of the connected car.

The CryptoManager platform adds an important layer of security to the Movimento OTA solution. Vehicle updates provided by the combined Movimento and Rambus solution offers one-time, single-use keys that are unique to each vehicle, minimizing vulnerabilities and maximizing security. As part of the collaboration, Movimento's OTA technology utilizes the Rambus CryptoManager platform, enabling in-field provisioning of encrypted keys generated for each vehicle and allowing for secure communication between a vehicle and the cloud.

"As cars continue to increase in complexity and connectivity, often depending on more than 100 million lines of code to function, car makers and consumers alike are demanding simple and secure methods to download, authenticate and install vehicle updates," said Mahbulul Alam, CTO of Movimento. "By partnering with Rambus and integrating the CryptoManager security platform with Movimento's OTA solutions, we are able to further our strategy of building a best-in-class ecosystem of integrated solutions to enable the software defined car and data analytics."

Movimento's tools and technologies are designed to reduce complexity when making software and firmware updates by updating all the ECUs in a car in one go securely. From the chip to the cloud, Movimento builds on more than a decade of experience in automotive industry with the company updating more than three million vehicles every year.

"Many current OTA solutions deliver functional updates and security patches for vehicles using the same software encryption key for multiple vehicles, increasing the vulnerability of the update," said Dr. Martin Scott, general manager of the Rambus Cryptography Research Division. "The Rambus CryptoManager solution provides an integrated security platform with flexible implementation from the hardware root-of-trust to the secure firmware which, when combined with Movimento's OTA technology, enables the next level of integrated chip-to-cloud-to-car security."

The CryptoManager platform allows for cost reduction by enabling security features already embedded in automotive chipsets and requires no additional security hardware. By utilizing an embedded hardware solution, the CryptoManager platform minimizes the attack surface of the vehicle by providing end point security.

Movimento and Rambus will be demonstrating the joint solution at TU-Automotive in Detroit. Visitors can see how the solution works on a live demo using a Dodge RAM truck in the Movimento's booth C67.

About Movimento Group

Devoted to developing advanced technologies that help realize The Software-Defined Car™, Movimento Group utilizes its decade long history as a leader in automotive reflash services and its innovations in OTA software. The company's car manufacturer customers include Ford, GM, FCA and Volvo plus a wide range of Tier-1 suppliers including ZF, Bosch, Denso, Panasonic, Continental, Delphi, Visteon, Magna and others. The company's headquarter is in Plymouth, Michigan, with offices in the Silicon Valley, Mexico, Sweden, Germany and Asia Pacific. For more information, go to www.movimentogroup.com.

About Rambus Cryptography Research

The Rambus Cryptography Research division is dedicated to providing a secure foundation for a connected world. Our innovative technologies span areas including tamper resistance, content and media protection, network security, and secure payment and transaction services. These technologies protect nearly nine billion licensed products annually, providing secure access to data and creating invaluable trust between our customers and their customer base. Additional information is available at rambus.com/security

About Rambus Inc.

Rambus creates cutting-edge semiconductor and IP products, spanning memory and interfaces to security, smart sensors and lighting. Our chips, customizable IP cores, architecture licenses, tools, services, training and innovations improve the competitive advantage of our customers. We collaborate with the industry, partnering with leading ASIC and SoC designers, foundries, IP developers, EDA companies and validation labs. Our products are integrated into tens of billions of devices and systems, powering and securing diverse applications, including Big Data, Internet of Things (IoT), mobile, consumer and media platforms. At Rambus, we are makers of better. For more information, visit rambus.com

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