R-Car Proactive Partner Solution

RENESAS R-Car *Consortium*

Nippon RAD Inc. Secure Solution
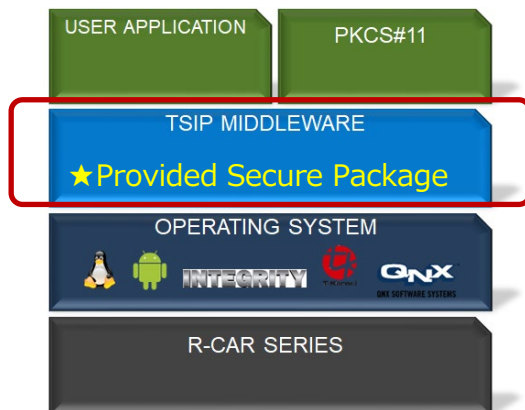
Solution Summary

Nippon RAD provides secure packages that support Renesas R-Car Gen2/Gen3/Gen4 Secure Core. We also provide secure data conversion, safe delivery to production factories and production-line linked writing solution of secure data for customers who support Secure Core. This service was launched in 2012 and is still being adopted and introduced by many customers.
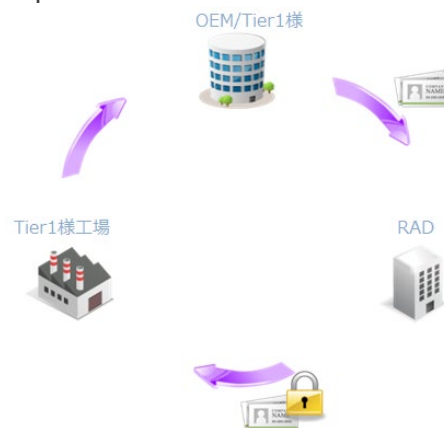
Features/Benefits

- Provision of Middleware corresponding with each R-Car Gen2/Gen3/Gen4 Secure Core
- Data conversion services of customers' secure data corresponding to Secure Core
- Provision of Key management / writing system for mass production factories
- Supporting OS : Linux / Android / Integrity / QNX etc.
- Integration with PKCS#11

Diagrams/Graphics

■Product side Secure Package

■Key Management / writing system for mass production factories

Target Markets and Applications

- In-vehicle equipments

https://www.nippon-rad.co.jp/contact/

Founded in 1971, we have boldly taken on the challenge of developing advanced businesses. The technologies we have cultivated in the course of these efforts are still alive within the whole company spirit and support our business today. In the ever-evolving IT industry, in order to be a "home doctor" for our customers for the next 50 years, we have inherited the "challenge to the unknown" as RAD's DNA, aiming to create value through new technologies and to provide products and services.

The Embedded Solution Division is developing cutting-edge businesses that integrate hardware/software (firmware) with a focus on "embedded systems," a field we have cultivated since our founding. This division takes pride in being a group of embedded systems professionals and handles a wide range of products, from various OSs or small-scale embedded systems without OSs, such as in-vehicle terminal equipment, switching systems, network equipment, cell phones, digital cameras, automatic teller machines, and other consumer equipment. We provide solutions with high quality, quick delivery, low cost, and prompt maintenance to leading Japanese manufacturers of embedded systems.