

R-Car Proactive Partner Solution

RTI Connex Drive®



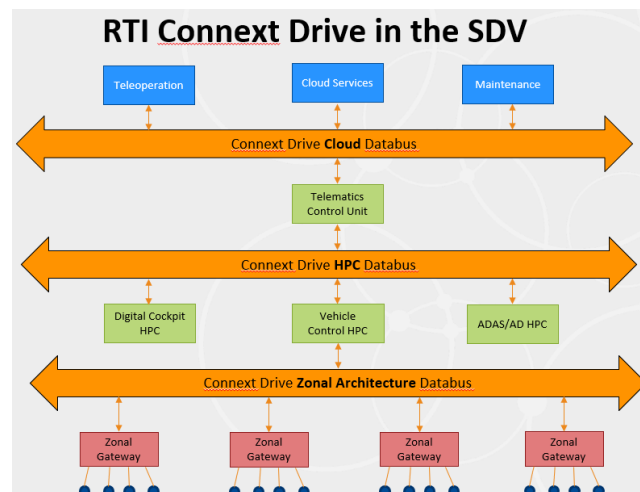
Solution Summary

RTI Connex Drive is a data-centric software framework that enables high performance compute (HPC) through scalable, real-time, end-to-end communication and data-centric software components across zones. This reduces component and development costs, enabling manufacturers to prioritize overall scalability through a data-centric approach. It is optimized to run on the Renesas R-Car V3U SoC.

Features/Benefits

- DDS-based, automotive-grade data-centric software framework that optimizes cost, network distribution, safety and security.
- Enables reliable, real-time data transport for complex architectures from sensor to high performance compute systems.
- Supports broad integration of different automotive platforms in a common architecture, including AUTOSAR Classic and AUTOSAR Adaptive, ROS 2 and DDS.
- Enables TSN support to simplify the overall wiring harnesses.
- Supporting communication libraries certified to ISO 26262 ASIL D compliance.
- Evolves the system architecture from classic automotive products into new architectures that include ADAS and telematics applications.
- Optimized to perform on the Renesas R-Car V3U SoC

Diagrams/Graphics



Target Markets and Applications

- Automotive Market
 - High Performance Compute (HPC)
 - Advanced Driver Assistance Systems (ADAS)
 - Digital Cockpit
- Zonal Architecture
- Telematics
- Testing & Simulation



Company Name	Real-Time Innovations (RTI)
Address	232 East Java Drive, Sunnyvale, CA 94089
Regional offices	Denver; Granada (Spain); Singapore
CEO & Founder	Dr. Stan Schneider
Business Description	RTI is the largest software framework company for autonomous systems. RTI Connex [®] is the world's leading architecture for developing intelligent distributed systems, with over 2,000 designs running the world's most sophisticated applications. Uniquely, Connex shares data directly, connecting AI algorithms to real-time networks of devices to build autonomous systems. RTI is the leading vendor of products compliant with the Object Management Group [®] (OMG [®]) Data Distribution Service (DDS [™]) standard.
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