DIGITAL COCKPIT CONTROLLER FOR AN OEM

Digital Cockpit Controller solution facilitates the simultaneous working of Infotainment, Instrument Cluster, and ADAS functionalities in real-time from a single SoC without compromising the security or performance requirements. It can drive multiple high-resolution displays, including HUD.

Single-chip solution Architecture for Digital cluster and infotainment

Benefits

- ECU Consolidation
- Cost Reduction
- Better Safety and Security enforcement
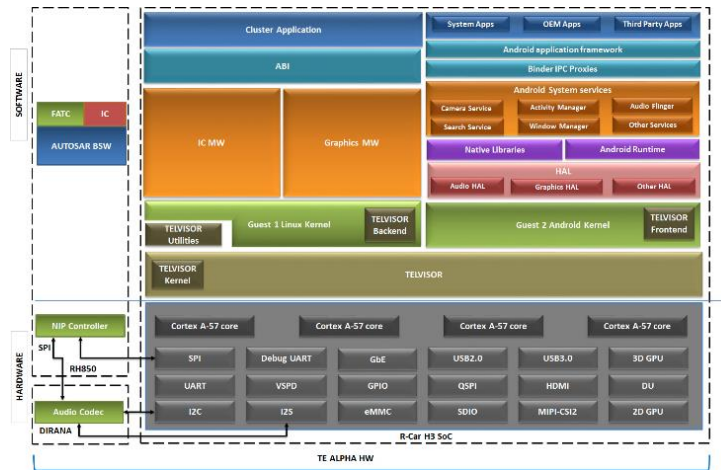
Hypervisor

- Complete Hypervisor development by Tata Elxsi
- Type-1 or bare-metal hypervisor
- Fully Para virtualized guest
- Capable of hosting Linux, Android, RTOS

Hardware

- Complete HW development by Tata Elxsi
- Renesas R-Car H3 SoC
- Renesas RH850 NIP
- NXP Dirana 3 Audio codec

Operating System

- Automotive Grade Linux (AGL) for IC
- Android Automotive for IVI

MARKET	BUSINESS BENEFIT	DELIVERY MODEL	WHAT'S NEXT
Global	Time to Market	Fixed Price & Time and Material	Feature Enhancements