

R-Car Proactive Partner Solution



Kinibi Trusted Execution Environment

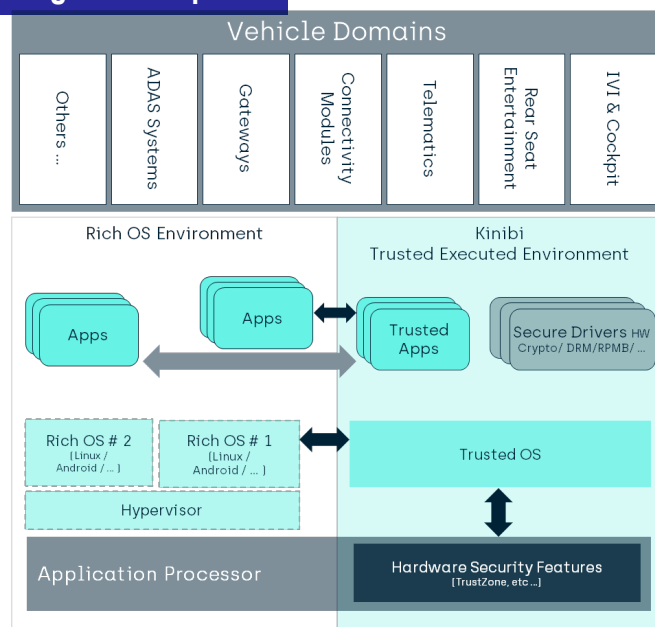
Solution Summary

The Kinibi Trusted Execution Environment (TEE) provides a secure enclave to run security operations. The TEE isolates and protects custom code and data from the normal world OS (Linux, QNX etc...)

Features/Benefits

- State of the Art Tee
- Broad set of threat mitigations
- High performance cryptography
- Trusted Applications & Trusted Application Development
- Full SDK including QEMU version

Diagrams/Graphics



Target Markets and Applications

- IVI Systems / Integrated Digital Cockpit / Rear Screen Entertainment
- Network Gateways
- ADAS Systems

5. <https://www.trustonic.com/secure-os/>

Technical Benefits

- Support for multiple rich Operating Systems & Hypervisors
- Extensive set of protection mechanisms i.e.
 - Side Channel protection
 - Anti-Rollback protection
 - and many more
- Microkernel architecture providing additional security, performance and stability
- Updatable cryptographic libraries ready for Post Quantum Cryptography
- Support for multiple secure storage options.
- Global platform API support
- Widevine Level 1 DRM supported
- ARM V9 version available
- Plus all standard TEE services

Ecosystem

- Full ecosystem of SDK services and partners available.
- QEMU version of the SDK/DDK available
- Training services
- Support for full Android compliance
- Architecture consulting
- Professional development services

Support & Maintenance

- Long term support and Maintenance
- 5, 10 , 15 years options available

Regulation & Compliance

- Certified to Common Criteria EAL5+ for global regulation compliance
- Supporting documentation available
- Proprietary IP solution with simple SBOM (no 3rd party dependencies)
- Vulnerability Response Service