QORIX

Building World-Class Automotive Middleware Stacks
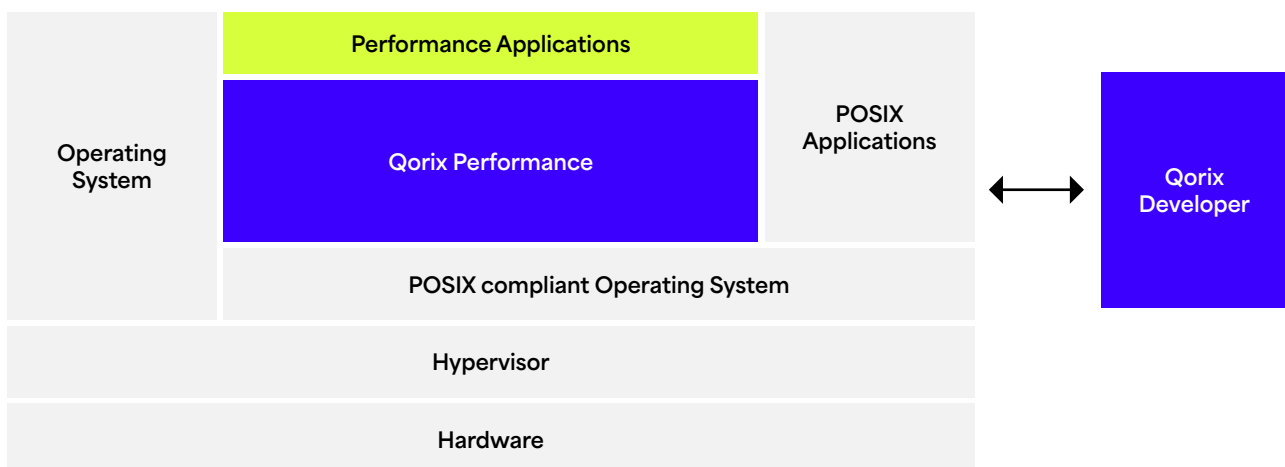
▶▶ **Qorix Performance**

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Qorix Performance is a specialized software solution designed to enhance the overall vehicle performance and efficiency of embedded systems by optimizing system resources and efficiently managing communication. It offers easy scalability and adaptability to various vehicle platforms and requirements, ensuring seamless integration with both existing and new software architectures. Built-in security and fault tolerance features increase the reliability and safety of the systems. As a key component for modern vehicle systems, Qorix Performance provides high performance, flexibility, and security, enabling automotive manufacturers and suppliers to create more efficient and powerful systems.

Qorix Performance Architecture

Operating System	Performance Applications		POSIX Applications		Qorix Developer
	Qorix Performance				
	POSIX compliant Operating System				
Hypervisor					
Hardware					

Key Highlights

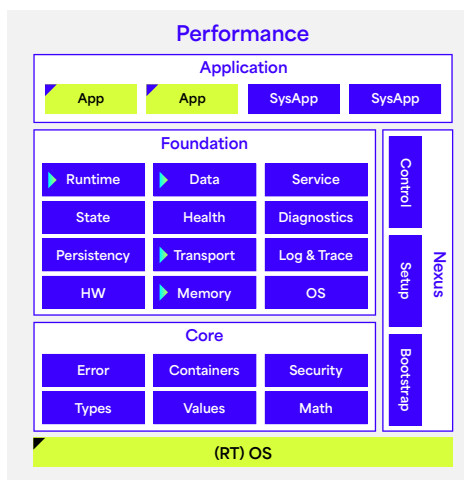|		
Supporting Linux, QNX and other POSIX compliant OSs	Development in line of OSS Core Stack initiatives	Non-Adaptive Performance Foundation
Adaptive Frontend for Performance Foundation	Classic Frontend for Performance Foundation	

Qorix Performance Features

Data

▶ Mixed mode applications combining control systems, data pipelines, state-event-driven applications and services

▶ Access control by built-in thread-safe data capability

▶ Data definition with focus on optimal transportability

▶ Zero-copy transport with trivial construction

Tooling

▶ Gitability: Configuration as code

▶ CLI: Cloud native tooling by design

▶ Automation: DevOps enabled by design

Runtime

▶ Runtime orchestration for deterministic execution control

▶ Separation of task definition and deployment

▶ Simulation time warp by full virtualization of time

Qorix is a technology company that offers innovative and powerful middleware solutions to the mobility ecosystem, especially in the transformation towards software-defined vehicles (SDV). Qorix helps automotive manufacturers and suppliers to manage the ever-increasing complexity of software while maintaining complete control over their architecture. Qorix middleware ensures a global, secure and powerful software ecosystem that can be rapidly deployed in future vehicles. The product portfolio includes standard compliant AUTOSAR Classic and Adaptive solutions and QORIX's own "Performance" stack that is particularly designed for the requirements of future software-defined vehicles. Qorix employs over 250 employees worldwide, focusing on global software product delivery for OEM and Tier-1 programs. Established as joint venture of KPIT Technology Ltd. and ZF, with Qualcomm as a strategic shareholder, Qorix leverages KPIT's expertise in software development and ZF's proficiency in automotive systems to drive innovation in the automotive industry.

For further information, please visit **www.qorix.ai**

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