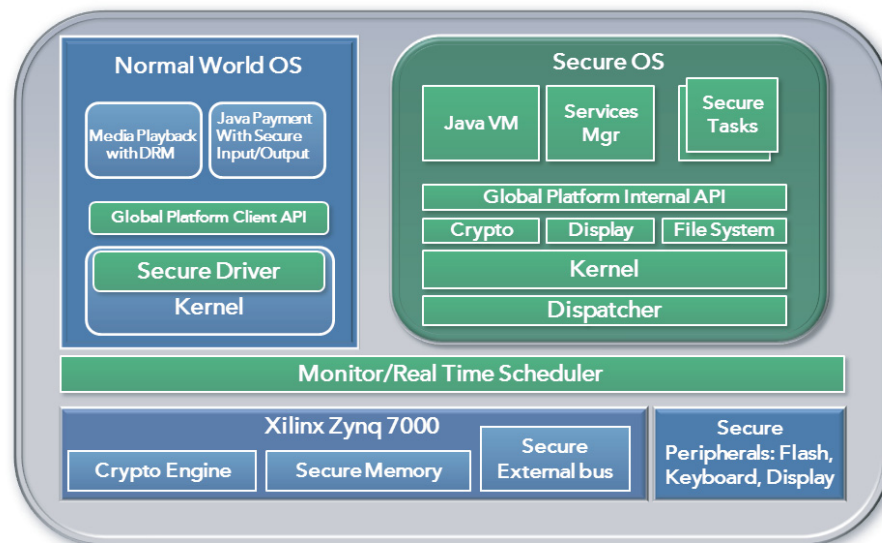


Sierraware and Xilinx

Secure and Extend Zynq-7000 All Programmable SOC's with SierraVisor and SierraTEE Software

Sierraware has partnered with Xilinx to bring the SierraTEE and SierraVisor software to Xilinx® Zynq™-7000 All Programmable SoCs. Using this integration, designers building systems based on the Zynq-7000 devices can take advantage of the world's first integrated Trusted Execution Environment (TEE) and hypervisor.

The Zynq-7000 family of devices combines the software programmability of a processor with the hardware programmability of an FPGA. By collaborating with Sierraware, Xilinx has extended its ecosystem to include Sierraware's SierraTEE and SierraVisor SDKs.



SierraTEE on Zynq-7000 All Programmable SOC

Sierraware's SierraTEE allows devices to run a secure operating system and a normal, high-level operating system at the same time. SierraTEE protects confidential data like DRM-protected content, encryption keys, and passwords from malicious attacks and malware.

With SierraVisor, Xilinx customers can run multiple guest operating systems, including Linux, BSD, Android and legacy real-time operating systems, at the same time. SierraVisor leverages the ARM TrustZone security extensions to provide greater performance than a standard paravirtualization hypervisor.

Integration Benefits

SierraVisor and SierraTEE on Zynq-7000 Platform:

- Extends the life of applications by simulating the previous generation of hardware
- Allows legacy real time operating systems to run simultaneously with Linux, BSD and Android
- Provides pre-ported and pre-tested software for the leading programmable SOC
- Reduces hardware costs by enabling a single device to perform multiple functions
- Secures sensitive data such as DRM-protected files and payment card and PIN numbers with a Trusted Execution Environment
- Offers flexible open source GPL and commercial license options to Xilinx users



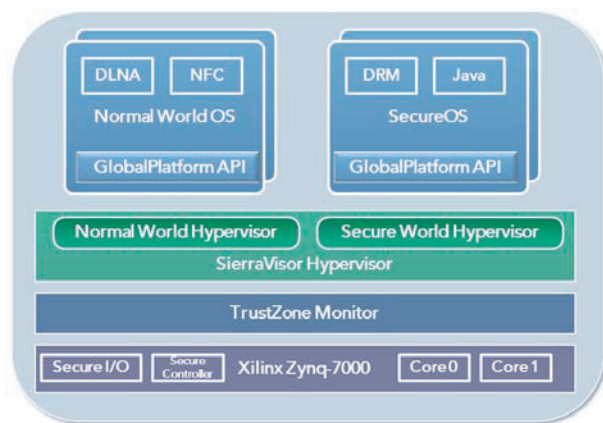
Zynq-7000 All Programmable SOC's

Sierraware SierraVisor and SierraTEE

The Sierraware SierraVisor hypervisor and SierraTEE secure operating system software individually offer powerful virtualization and security capabilities for embedded platforms; but together, they offer so much more.

Sierraware has introduced the first and only dual hypervisor and Trusted Execution Environment (TEE). This means that equipment manufacturers can not only run multiple operating systems simultaneously on their devices, but that each guest operating system can host a secure operating system. Alternatively, one high-level operating system can host multiple, virtualized secure operating systems.

Both SierraVisor and SierraTEE support ARM11, Cortex-A9, and Cortex-A15 processors as well as a range of embedded operating systems including Android, Linux, and BSD.



**SierraVisor
on Xilinx
Zynq-7000
AP SOC**

Xilinx Zynq-7000

The Zynq-7000 family is based on the Xilinx All Programmable SoC architecture. The Zynq-7000 family offers the flexibility and scalability of an FPGA, while providing performance, power, and ease of use typically associated with ASIC and ASSPs. The range of devices in the Zynq-7000 All Programmable SoC family allows designers to target cost-sensitive as well as high-performance applications from a single platform using industry-standard tools.

The Zynq-7000 All Programmable SoCs are able to serve a wide range of applications including:

- Automotive driver assistance and driver information
- Broadcast, IP and smart camera
- Industrial motor control and industrial networking
- LTE radio and baseband

About Sierraware

Sierraware, founded in 2010, is a leading provider of virtualization and security solutions for ARM processors. Sierraware offers the SierraVisor Hypervisor, the SierraTEE Trusted Execution Environment, and communications and media toolkits for a wide range of ARM architectures. For more information, visit www.sierraware.com.

Sales contact information:

Email: sales@sierraware.com

Phone: +1 408-337-6400

About Xilinx

Xilinx is the world's leading provider of All Programmable FPGAs, SoCs and 3D ICs. These industry-leading devices are coupled with a next-generation design environment and IP to serve a broad range of customer needs, from programmable logic to programmable systems integration. For more information, visit www.xilinx.com.

sierraware

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