

A secure solution for *all* your embedded applications

Secure Embedded Real-Time Platform (SERT)

You don't have the resources to waste on wondering if your embedded applications are safe from costly and brand damaging hacks.

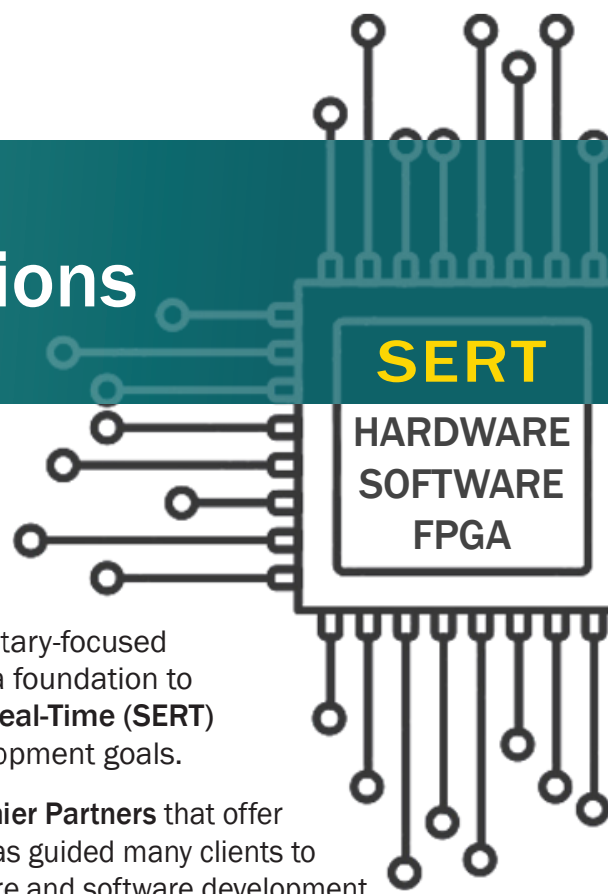
Then again, *you don't need them.*

Whether you're planning to develop products and systems for strict military-focused applications, scaling up your industrial IoT network, or simply creating a foundation to run your custom software safely and securely, the **Secure Embedded Real-Time (SERT)** platform from DornerWorks can help you meet, and exceed, your development goals.



As one of only three **Xilinx Alliance Program Premier Partners** that offer design services in North America, DornerWorks has guided many clients to successful product launches with custom hardware and software development.

We've created the **SERT** platform in a whole-product solution to help you take advantage of that experience.



Ideal for *any and all* embedded projects

- Security and encryption
- Real-time applications
- IoT, web server networks
- High-speed video data processing
- Machine learning/AI



Security Highlights

- Xen and seL4 extensions for embedded environments
- DornerVisor, security enforcing service and over-the-air updater
- Supporting Secure Boot and other ZU+ hardware security features

SERT

Run your own applications and algorithms in a *secure, real-time environment.*

Solutions

Hardware, software, and FPGA technology in a *whole-product solution.*

Simplified

Support subscriptions available
Optimize this platform to fit your needs!



Included with SERT package



Tools/workflows to support configuration, development, and deployment

You shouldn't have to be an expert in everything

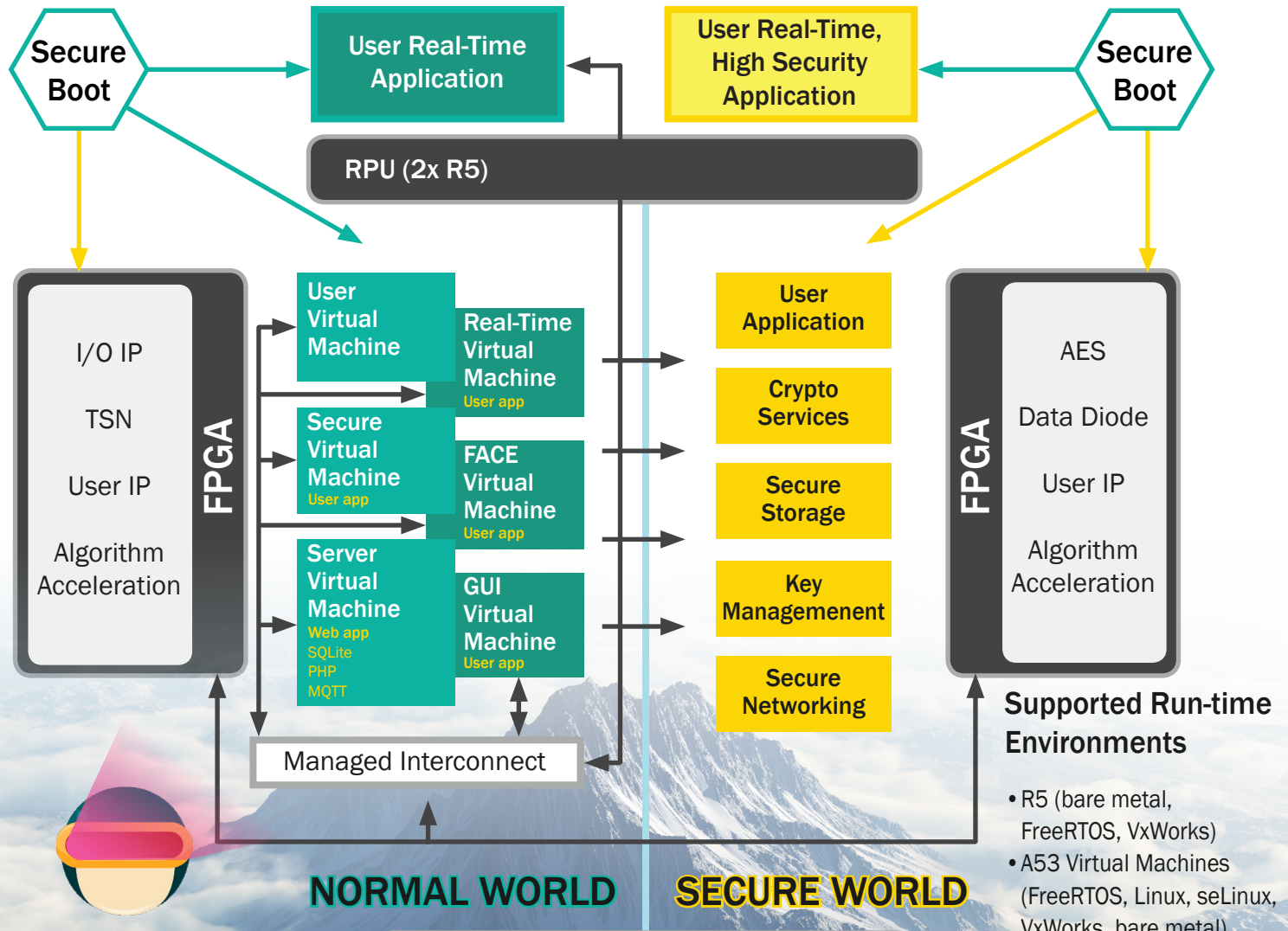
Let us help you take your project to the next level, and provide the freedom you're looking for to focus on what matters most.

Start your next SERT project today!

www.DornerWorks.com
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616.245.8369

Complexity, Consolidated

Harness the power of simplicity with the SERT platform



The active security monitoring functionality of the DornerVisor watches over your data in the "Normal World," ensuring your real-time processes can operate unhindered and safe from attack.

APU (4x A53)

A Zynq Embedded UltraScale+ SOM **ZeUSS**

Supported Run-time Environments

- R5 (bare metal, FreeRTOS, VxWorks)
- A53 Virtual Machines (FreeRTOS, Linux, seLinux, VxWorks, bare metal)
- FPGA (SDOC, custom)

Soft Real-Time	Hard Real-Time	Harder Real-Time	Hardest Real-Time
GUI V. Machine	RT V. Machine	RPU	FPGA

Normal	Other V. Machines
Secure	Secure V. Machine
More Secure	Secure World APU/RPU
Most Secure	FPGA

Ready to get started?

Let's Talk

Follow our 3-step plan and together, we will determine a solution that fits your needs.

Discuss

Develop

Deliver