Abo<mark>ut</mark> Perseus



With over a decade pioneering Hypervisor and Hypervisor-based security as Xen ARM open source community project founder (since 2007), Perseus guarantees that the automotive industry's top brands capture opportunities for enhanced security & performance in a connected world.

Our Solutions

PEGASUS

Hypervisor Solution

Reduce SoC HW & SW requirements by up to 75% in connected cars.

AEGIS Hypervisor-based Security

Solution

Secure in-car systems and devices and ensure optimal performance, even under DoS attack.

TACHYON Linux Fast Boot Solution Reduce boot speed for Linux powered rear view cameras from ~15 secs to just 2 secs.



We're here to help! Contact our team today



www.cyberperseus.com



PERSEUS-

AEGIS

Hypervisor-based Security Solution for Connected Cars Complete security for in-car systems that ensures optimal performance even under DoS attack

Partners

RENESAS GENIVI

cyberperseus.com



AEGIS

Hypervisor-based Security Solution

* AEGIS-LET is ARM TrustZone Secure OS solution

The Background:



The EU has already introduced e-call, setting a precedent for increased security-centric regulations for connected cars.



In 2020 the US Senate ratified the law to introducing regulations on connected car security within 3-5 years.

Legistlators are beginning to put pressure on the automotive industry to secure their vehicle fleets. Perseus is dedicated to supporting industry leaders to meet regulatory requirements today and into the future.

The Problem:

OEMs, T1s and T2s typically rely on system, application and device developers to secure their own solutions. However, system-wide security is the only way to guarantee safety and security of connected cars as connected services expand exponentially.

By 2023 it is expected that 50% of the global fleet will be connected and therefore prone to malicious attack.

Our Solution:

Aegis enables multiple, individually secured operating systems to run off a single SoC. Protection is 'always on' and fully flexible, according to specific per-application requirements.

* AEGIS-LET can be provided on demand

How It Works

Without Perseus Hypervisor



With Perseus Hypervisor (PEGASUS)



With Perseus Hypervisor-based Security (AEGIS)



Perseus secured SoCs can run multiple, secure operating systems, protecting in-car systems even under DoS attack.

AEGIS - Key Benefits



- HW Compatibility: Qualcomm Renesas I mudia. etc
- SW Compatibility: 🗾 👘 Android Aut@SAR 🔤

A History of Leadership in Hypervisor



Technical Specifications

- Memory footprint: 1MB
- CPU support: ARM
- OS support: Linux, Autosar, Android, etc

\sim	contact@cyberperseus.com

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