SOLUTION BRIEF

ADLINK at the Forefront of Project Cassini – Supporting a Unified Arm-Based Development Ecosystem

ADLINK LEADING EDGE COMPUTING

ARM IP

+ Cortex-A

OVERVIEW & GOAL

In recent years, there has been eminent popularity and adoption of the Arm-based architecture by numerous manufacturers and partners in the embedded market, in part due to Arm systems' performance per watt and thermal design power (TDP) superiority over x86 designs. Accelerating and simplifying Arm-based development and subsequent deployment processes are no doubt the common aspiration for all players in the embedded world today.

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APPLICATION

- Industrial
- IoT
- Healthcare
- Artificial Intelligence
- Security
- Infrastructure
- Smart Cities

CHALLENGE

Open-source by nature, Arm manufacturers and developers are able to design their own, unique Arm-based systems and accommodate software as needed. However, this results in a lack of standardization, and additional development effort for coding and reconstructing required software for every target application.

SOLUTION & BENEFITS

For Arm-based edge deployments to be effectively accelerated and achieve scale, *Project Cassini* provides a collaborative, standards-based initiative leveraging Arm SystemReady, PSA-certified, and a cloud-connected approach in unifying a once-fragmented development ecosystem.

By defining and implementing all-around hardware and security standards, Project Cassini aims to deliver cross-brand compatibility and a seamless software development experience for edge devices based on Arm Cortex cores.

As a crucial player in Project Cassini, ADLINK develops robust hardware and firmware blocks that follow Arm SystemReady standards for generic OS to work right out of the box. In addition, ADLINK ensures their compliance with PSA-certified secure base code, so that such cloud-connected edge deployments can be constantly updated in response to any security hazards, thereby assuring applications to run securely 24-7 across all platforms.

Through Project Cassini and the efforts of Arm and partners like ADLINK, Arm developers now realize a much-accelerated, seamless, and secured Arm-based edge deployment experience.

FURTHER DETAILS

- ipi.wiki/pages/imx8mp-docsv
- Learn more about ADLINK and their Arm-based solutions

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