Imagination

THE RISC-V CPU

Meet Catapult

Catapult, a RISC-V CPU family designed from the ground up for deployment in key applications and configurable for any use. Leveraging nearly three decades' experience in delivering complex solutions, Imagination's latest CPU series is backed by the strong RISC-V ecosystem.

Catapult CPUs are designed for next-generation control, compute, and heterogeneous compute needs.

Built on RISC-V

Design
Ground up design backed by the RISC-V ecosystem of softwere, design and verification tools.

Heterogeneous
Part of the heterogeneous solution with market leading Imagination GPU, AI and Ethernet cores.

Functionally safe
Accelerating automotive and industrial markets by providing functionally safe and secure CPUs.

Patents
Protected by a rich portfolio of hundreds of fundamental CPU patents, giving you peace of mind when you ship.

Support
Full hardware and software support for heterogeneous SoCs using Imagination IP cores.

Expertise
Established and proven over nearly 3 decades' of expertise to deliver very complex IP and Heterogeneous solutions reinforced by a strong support function.

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What others are saying

"RISC-V welcomes Imagination's introduction of a line of RISC-V CPUs. These products by Imagination underline the growth of the RISC-V marketplace and its ecosystem of suppliers and their industry partners. Imagination demonstrates the rich and diversified opportunities that exist in RISC-V solutions targeting heterogeneous computing."
Calista Redmond, Chief Executive Officer, RISC-V International.

"Renesas has a long history of working with Imagination, and their proven track record of delivering reliability, trust and innovation has enabled us to deliver market leading automotive SoCs. The growing RISC-V market requires a wide range of products and trusted delivery partners, as well as an increased focus on safety and security. We welcome Imagination's new Catapult RISC-V CPU IP, which is sure to meet those criteria."
Tatsuya Kamei, Vice President, Automotive SoC Development Division, Renesas.

So why choose Catapult?

- Designed from the ground up, backed by the rapidly expanding RISC-V ecosystem
- Part of Imagination's complete heterogeneous solution, alongside market-leading GPU, AI neural network accelerator (NNA) and Ethernet Packet Processor (EPP) cores
- Full hardware, software, and debug support for heterogeneous SoCs using Imagination IP cores
- Offers functionally safe solutions for automotive and industrial markets
- Provided by an established company with nearly three decades of expertise in delivering complex IP, backed by a strong support function

Learn more

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