Ashling and Embecosm Announce Optimized Software Development Toolchain for Akeana at RISC-V Summit North America, 2024

October 22, 2024 – Santa Clara, CA – *Ashling and Embecosm are excited to announce their latest collaboration in delivering a comprehensive, optimized toolchain for Akeana's range of high-performance RISC-V processors. This highlights the continued strong partnership between Ashling and Embecosm and their dedication to advancing the RISC-V ecosystem.*

As Akeana continues to push the boundaries of RISC-V with ultra high-performance, scalable processors, Ashling and Embecosm have worked closely to deliver an optimized tool chain, tailored specifically for Akeana's diverse range of devices, from microcontrollers to datacenter-grade multi-core systems. This tool chain enables Akeana customers to maximize the performance and flexibility of Akeana's coherent and non-coherent processor systems with seamless integration into their development workflows.

Leveraging Expertise for Optimized Solutions

The partnership between Ashling and Embecosm spans several years and has produced numerous successful tool chain projects targeting the RISC-V architecture. Combining Embecosm's leading expertise in Compiler Toolchains with Ashling's comprehensive suite of embedded development tools, including the **RiscFree**™ IDE & Debugger, the **Opella-XD** Debug probe and the **Vitra-XS** Trace probe ensures that Akeana's processors are supported with the highest levels of performance, reliability, and debug visibility.

"Akeana's processors, including the Akeana 100, 1000, and 5000 series, provide industry-leading performance across a wide range of markets, including AI acceleration, networking, datacenter, wearables, mobile, and automotive, empowering our customers to innovate faster," said **Rabin Sugumar**, Akeana's CEO. "*The collaboration between Ashling and Embecosm ensures that the toolchain, IDE, debug, and trace support are available across the entire Akeana product portfolio, empowering customers to achieve optimal results in the fastest time for their SoC designs,"* he added.

The optimized toolchain provides Akeana's customers with access to GNU GCC's robust and widely used compiler technology, tailored to the specific needs of Akeana's multi-core processors. In addition to this, Ashling's **RiscFree** fully supports Akeana devices, allowing developers to utilize a complete set of development, debug and trace tools to accelerate time-to-market for their systems.

"The combined strength of both companies' tools and services ensures that Akeana's customers can confidently integrate their IP into complex SoC designs with minimal risk, reducing development complexity and accelerating timelines," said **Hugh O'Keeffe**, Ashling's CEO. *"With a global presence spanning offices in the US, India, UK, Ireland, France, and Germany, Ashling and Embecosm continue to serve a broad range of customers, from Tier 1 semiconductor companies to emerging startups,"* he added.

About Akeana
Akeana is a driving force of change in semiconductor IP innovation and performance, on a mission to deliver world-class RISC-V-based compute, interconnect, and accelerator IP solutions. Headquartered in Santa Clara, California, this venture-funded startup is dedicated to empowering customers with highly configurable technology and equitable licensing options, moving beyond the limitations of today's legacy vendors and architectures. With an experienced team of engineers, Akeana is at the forefront of easy-to-optimize semiconductor IP. Its growing patent portfolio reflects a commitment to meet the industry's ever-evolving needs and challenges. Supported by renowned investors, including Kleiner Perkins, Mayfield, and Fidelity Ventures, Akeana is redefining what's possible in microcontrollers, mobile computing, automotive, data centers, and cloud computing. https://www.akeana.com/ email:sales@akeana.com.

About Ashling
Ashling is a world leader in the development of tools and solutions for embedded systems and the semiconductor industry. With a focus on enabling software design for next-generation processors and SoCs, Ashling offers cutting-edge debugging tools, trace probes, and development environments. https://www.ashling.com/contact-ashling/ email:info@ashling.com.

About Embecosm
Embecosm specializes in providing open-source compiler tool chains and custom hardware-software integration solutions for leading-edge processor designs. Embecosm is a long-standing leader in GNU GCC toolchain development, with a proven track record across multiple processor architectures, including RISC-V. https://www.embecosm.com/ email:info@embecosm.com.