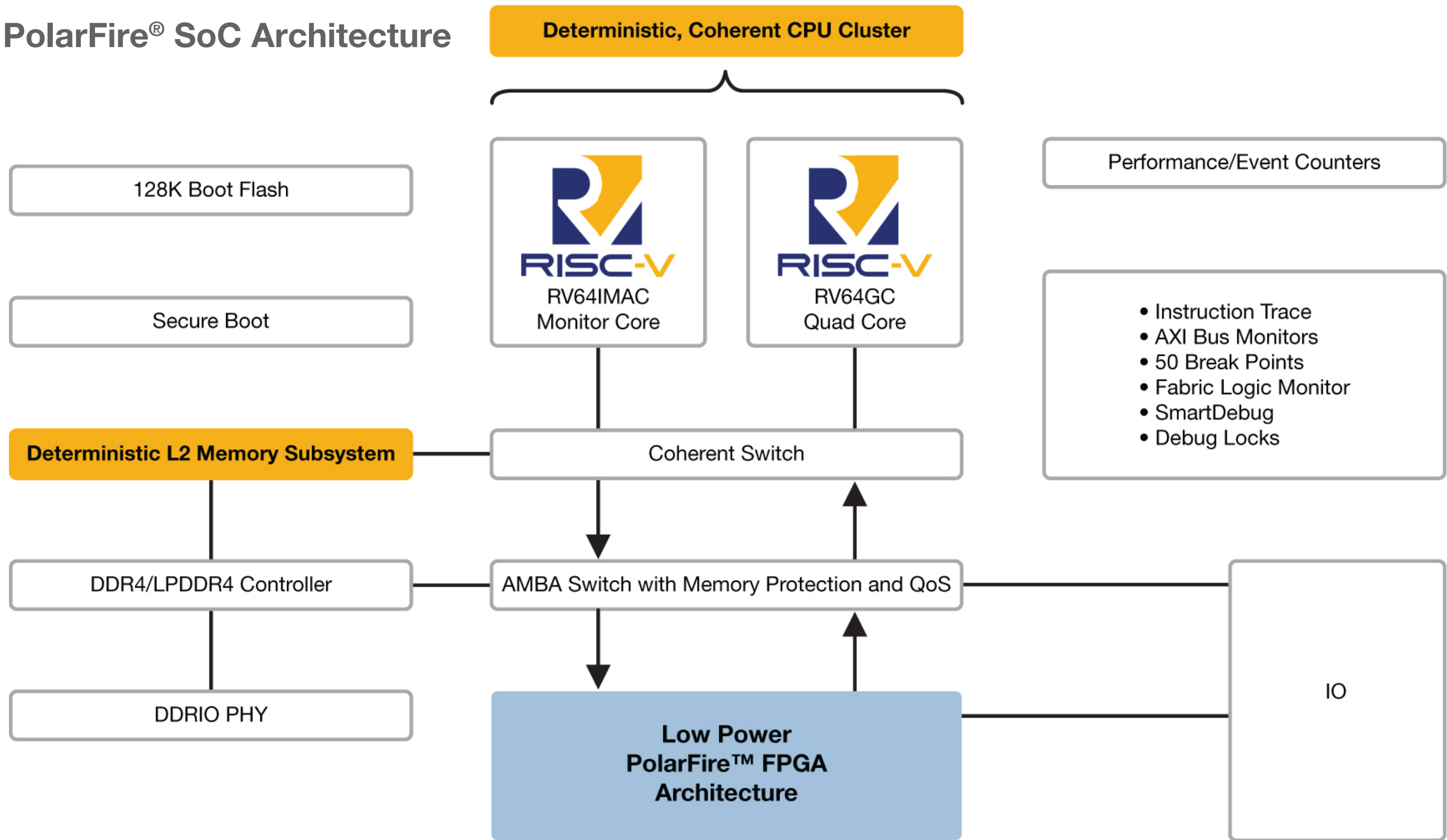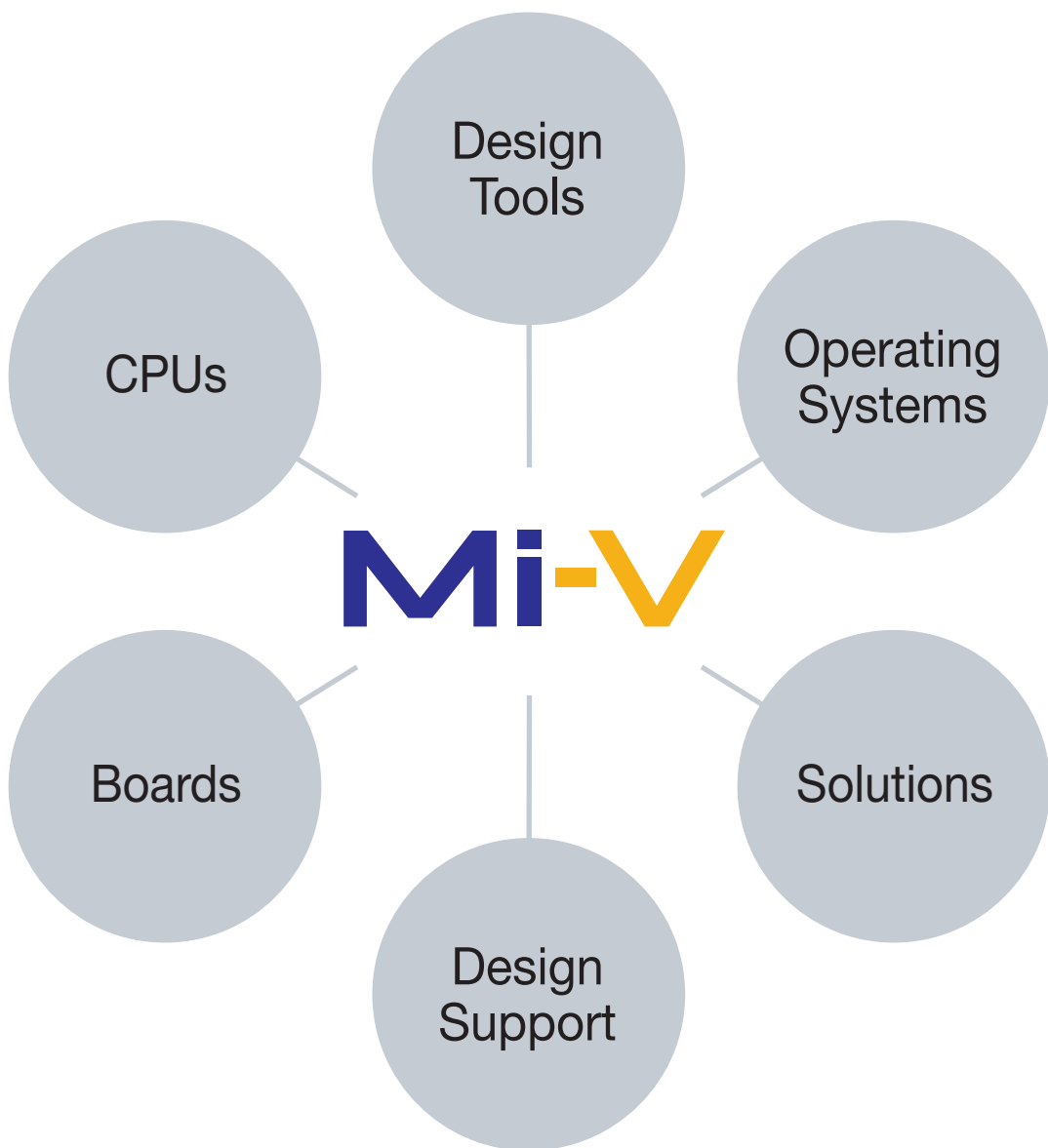# Open. Lowest Power. Programmable RISC-V Solutions

The Mi-V RISC-V ecosystem is a continuously expanding, comprehensive suite of tools and design resources developed by Microchip and its partners to fully support RISC-V designs.

The Mi-V ecosystem includes FPGA development kits, soft RISC-V processor cores, and PolarFire® SoC, the world's first RISC-V based system-on-chip FPGA.

PolarFire SoC enables deterministic real-time systems and Linux in a single multi-core CPU cluster and delivers an unparalleled combination of low power consumption, thermal efficiency and defense grade security for smart, connected systems.

PolarFire® SoC Architecture

José Miguel Idiago Valero
Embedded Solution Engineer