

Silicon-Proven eFPGA IP

Customized for Your Unique Requirements

Build flexibility and differentiation into your next SoC

Fully Customizable:

- Pick the exact mix of LUT6, BRAM, and DSP blocks
- Use standard, RHBD, or automotive-qualified cell libraries
- Tune PPA for any foundry / process node
- Reconfigure in the field as specs evolve



Benefits:

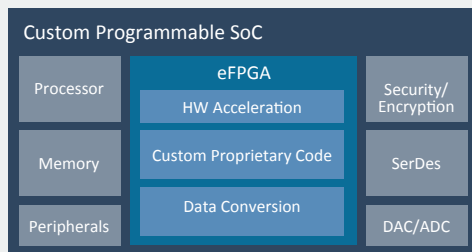
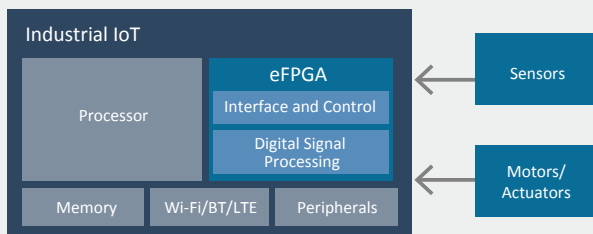
Faster Time-to-Market – Custom eFPGA blocks delivered on your schedule

Lower Cost – Avoid expensive ASIC re-spins

Scalable & Flexible – Add or refine functions without new silicon, tuned for PPA goals

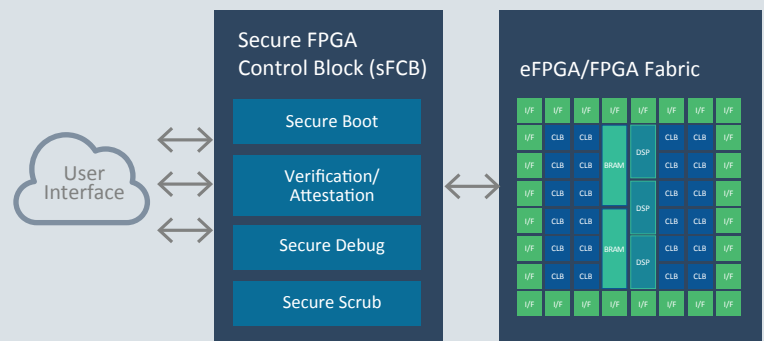
High Performance – Meets demanding compute and bandwidth needs

Use Cases



Security Ready

Built-in features protect data and IP



QuickLogic can support any foundry or process node to meet your specific requirements



18A, 6/7nm, 12nm, 16nm, 22nm, 28nm, 40nm, 65nm, 90nm, 130nm, 180nm, 0.25µm, 0.35µm, 0.65µm

Aurora Tools:

Open-Source, Rapid eFPGA Design Flow

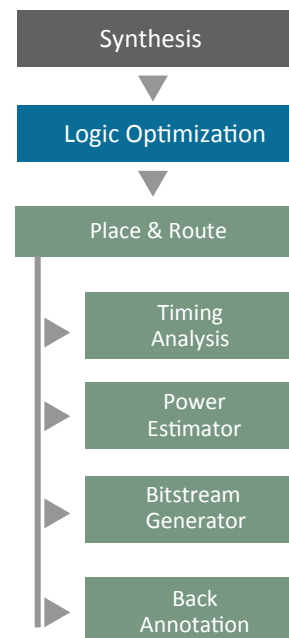


Aurora™ and AuroraPRO™ FPGA User Tools

Integrates fully open-source modules, delivering a scalable, long-lived, and transparent RTL-to-bitstream flow

Tailored to support the eFPGA IP architecture for improved logic utilization and performance.

Aurora PRO adds Synopsys Synplify Pro for advanced, high-performance synthesis



Features



Intuitive GUI and command-line support

Design the eFPGA the way you prefer



Based on open-source components

More control, more features and, more longevity



eFPGA resource estimation

Define number of LUTs, DSPs, BRAMs to meet your application requirements



Complete design suite

Synthesis, place & route, timing analysis, and bitstream generation

Benefits



Easy to use

User friendly interface for both beginners and advanced users



More transparency

The code is highly inspectable, enabling continuous improvement.



Streamlined definition process

With Aurora, you can try different array configurations and define what works best



Fast runtime

For faster design iterations to meet your design targets



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Learn more
about Aurora



www.quicklogic.com

Sales Offices: <https://www.quicklogic.com/company/sales-locations/>

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