EDA

GPU-Native EDA Suite

Point-tool product suite with CPU qualification oracles and GPU/CUDA-capable kernels/interfaces for placement, routing, fault simulation and combinational equivalence.

IP-4283 · Engineering software · Software / tooling

Function and architecture

• Point-tool product suite with CPU qualification oracles and GPU/CUDA-capable kernels/interfaces for placement, routing, fault simulation and combinational equivalence.

• Evaluation and enterprise licensing

• Controlled release and integration scope

Integration summary

GPU-Native EDA Suite: Point-tool product suite with CPU qualification oracles and GPU/CUDA-capable kernels/interfaces for placement, routing, fault simulation and combinational equivalence. Delivered as Software / tooling. Integrate the selected version at its documented input/output boundary; retain source and configuration identity with each result. The exact callable API, dependencies and runtime environment are supplied with the controlled release; this public description is not a substitute for that release contract.

Technical record

Canonical identity	IP-4283
Responsibility	Point-tool product suite with CPU qualification oracles and GPU/CUDA-capable kernels/interfaces for placement, routing, fault simulation and combinational equivalence.
Delivery boundary	Software / tooling
Evidence scope	Engineering software
Engineering boundary	Point-tool product suite with CPU qualification oracles and GPU/CUDA-capable kernels/interfaces for placement, routing, fault simulation and combinational equivalence.
Deployment	Software / tooling; 1.0
Operational scope	CPU reference oracles and CUDA-capable surfaces are recorded. No blanket GPU-speedup or end-to-end foundry-signoff claim is made.

Delivery and release binding

• Versioned package and dependency lock

- Deployment environment and access controls
- Input/output schemas and integration examples
- Evaluation scope, support and update policy

Confirm for the selected release: Environment and dependencies, Version / build hash, API compatibility, License and support scope.

Evidence and qualification

The controlled product-release layer includes executable reference surfaces and qualification records. Request the exact selected release bundle.

CPU reference oracles and CUDA-capable surfaces are recorded. No blanket GPU-speedup or end-to-end foundry-signoff claim is made.

Canonical status: P1-P2 / REFERENCE + CUDA SOURCE; GPU EXECUTION NOT YET CREDITED

Evaluation and licensing

Evaluation: Evaluate the named software release. Production: Team or enterprise deployment. Custom work: Workflow and API integration. Rights, pricing, support and acceptance criteria are agreed for the exact scope.

Contact: patrick@garmolabs.com | Product path: /software/gpu-native-eda-suite