INTERFACES & MIXED-SIGNAL

Garmo Channel Compiler

Service constraints; channel model; profile search; power/latency/BER cost; fallback profiles

IP-089 · Architecture IP · Architecture

Function and architecture

- Service constraints
- channel model
- profile search
- power/latency/BER cost
- fallback profiles

Integration summary

Garmo Channel Compiler integration role: Physical-link configuration optimizer. Documented composition: Service constraints; channel model; profile search; power/latency/BER cost; fallback profiles.

Technical record

Canonical identity	IP-089
Responsibility	Physical-link configuration optimizer
Documented building blocks	Service constraints; channel model; profile search; power/latency/BER cost; fallback profiles
Delivery boundary	Architecture
Evidence scope	Architecture IP

Delivery and release binding

- Interface version and parameter set
- Clock/reset domains and integration constraints
- Companion memory, PHY and software requirements
- Verification collateral and acceptance criteria

Confirm for the selected release: Node/library binding, Clock/reset limits, Physical and protocol dependencies, Artifact hashes, Acceptance criteria.

Evidence and qualification

Canonical technology and its architecture/integration role are recorded. The offered delivery is confirmed against the exact release before licensing.

No node-port, silicon-performance, standards certification or analog qualification is inherited from a related product.

Canonical status: Engineering build-spec

Evaluation and licensing

Evaluation: Evaluate an individual IP configuration. Production: Named-design production license. Custom work: Node binding or derivative integration. Rights, pricing, support and acceptance criteria are agreed for the exact scope.

Contact: patrick@garmolabs.com | Product path: /ip/garmo-channel-compiler