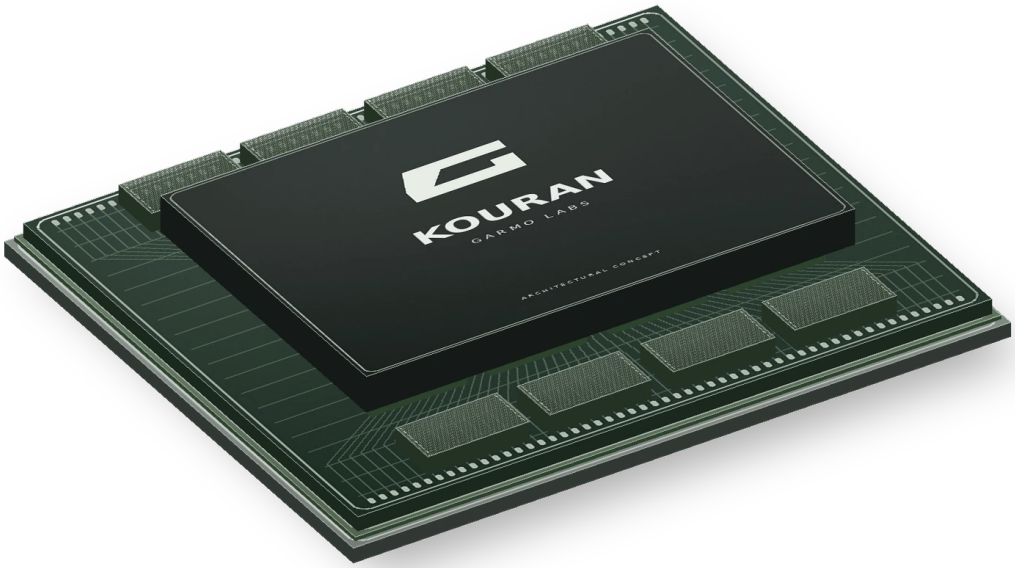
PROCESSOR / SYSTEM ARCHITECTURE

KOURAN

A network-native continuation-token processor with distributed readiness, versioned-object memory and explicit authority boundaries.



Architectural concept. Not a die photograph, physical layout or measured device.

IP-3631 · Architecture IP · Architecture

Function and architecture

- Distributed readiness and continuation-token execution
- Versioned-object memory
- Authority, epoch, domain and replay enforcement
- Morphable compute and near-memory ALU contracts

Integration summary

Preserve token, object-version, authority, epoch, domain and replay semantics across the selected node/package interface. Bind morphable-compute and near-memory ALU endpoints to the release’s memory/runtime contracts and verify ordering and failure behavior before integration.

Technical record

Canonical identity	IP-3631
Responsibility	Network-native continuation-token processor architecture combining distributed readiness, versioned-object memory, authority/epoch/domain/replay enforcement, morphable compute, near-memory ALU contracts and node/package abstraction.
Delivery boundary	Architecture
Evidence scope	Architecture IP

Delivery and release binding

- Exact SoC/top and configuration
- Clock, reset, power and pad contract
- Memory, PHY and package dependencies
- Release-specific PVT and signoff views

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

Evidence and qualification

Architecture and reusable technology are recorded in the controlled catalog. Request the exact release evidence for your intended integration.

Node-specific physical implementation and system qualification are scoped separately.

Canonical status: P1 / IMPLEMENTATION-BACKED ARCHITECTURE

Evaluation and licensing

Evaluation: Architecture and release evaluation. Production: Chip / SoC licensing program. Custom work: Custom silicon integration. Rights, pricing, support and acceptance criteria are agreed for the exact scope.

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