SECURITY & CRYPTOGRAPHY

SONJE Memory-Fabric Authority / Epoch Enforcement Architecture

Checks requesting domain, read/write permission masks and revocation epoch at the point where memory work is accepted.

IP-3895 · Executed digital evidence · RTL / reference evaluation

Function and architecture

• Checks requesting domain, read/write permission masks and revocation epoch at the point where memory work is accepted.

Integration summary

SONJE Memory-Fabric Authority / Epoch Enforcement Architecture provides the documented memory security architecture responsibility: Checks requesting domain, read/write permission masks and revocation epoch at the point where memory work is accepted. Evaluate the exact SONJE-IP-019 implementation and confirm its integration contract before using it inside the target design.

Technical record

Canonical identity	IP-3895
Native implementation identity	SONJE-IP-019
Documented responsibility	Checks requesting domain, read/write permission masks and revocation epoch at the point where memory work is accepted.
Recorded evidence class	Executed digital evidence
Interface and physical parameters	Bound to the selected source/configuration; not inferred from name or family.

Delivery and release binding

• Exact implementation and configuration manifest

• Documented interfaces and clock/reset contract

• Available reference or verification collateral

• Recorded physical views where authorized and applicable

• Integration acceptance criteria and unresolved gate list

Confirm for the selected release: Source/configuration identity, Interface and dependencies, Verification evidence, Process/library where applicable, Authorized package and acceptance criteria.

Evidence and qualification

Evidence retained in our records

Evidence shown is our record for this canonical implementation, not a fresh tool rerun. External foundry acceptance, silicon measurements, standards certification and unlisted interface/physical parameters are not inferred. Exact delivery and rights are agreed before licensing.

Canonical status: P1 / P64 PASID+DOMAIN+EPOCH+VERSION+LOCK GUARD IMPLEMENTED; 128-CASE MATRIX PASS; SAT GATE OBSERVED PASS

Evaluation and licensing

Evaluation: Review the exact recorded implementation and agreed test scope. Production: Named-design rights for the agreed qualified release. Custom work: Target integration, verification or physical qualification. Rights, pricing, support and acceptance criteria are agreed for the exact scope.

Contact: patrick@garmolabs.com | Product path: /ip/sonje-memory-fabric-authority-epoch-enforcement-architecture-ip-3895