OMNIFRAME Ω SOCS

Ω-MOT / Motile

Robotics/actuation SoC

IP-4931 · Integrated reference · SoC architecture + source

Function and architecture

- hard real-time control
- PWM/QEI
- safety islands
- fusion
- trajectory
- emergency path

Integration summary

Integration scope, interfaces and qualification are agreed for the selected release.

Technical record

Canonical identity	IP-4931
Responsibility	Robotics/actuation SoC
Delivery boundary	SoC architecture + source
Evidence scope	Integrated reference

Delivery and release binding

- Constituent release manifest
- Topology and physical integration assumptions
- System software and orchestration boundaries
- Qualification scope and system-level acceptance

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

Evidence and qualification

The current estate records a structurally closed 17-SoC hierarchy and native software/reference-model evidence.

Inherited structural RTL and model evidence do not constitute a fresh foundry physical-signoff or fabricated-product result.

Evaluation and licensing

Evaluation: System architecture evaluation. Production: Platform integration program. Custom work: Customer-specific system composition. Rights, pricing, support and acceptance criteria are agreed for the exact scope.

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