

# GSC — System Composer

Composes IP/chiplets/packages from capability and compatibility manifests

IP-153 · Architecture IP · Architecture

## Function and architecture

- Capability-manifest-driven system composition
- Compatibility inputs across IP, chiplets and packages

## Integration summary

GSC — System Composer integration role: System composition tool. Documented composition: Composes IP/chiplets/packages from capability and compatibility manifests.

## Technical record

|                                   |                                                                           |
|-----------------------------------|---------------------------------------------------------------------------|
| <b>Canonical identity</b>         | IP-153                                                                    |
| <b>Responsibility</b>             | System composition tool                                                   |
| <b>Documented building blocks</b> | Composes IP/chiplets/packages from capability and compatibility manifests |
| <b>Delivery boundary</b>          | Architecture                                                              |
| <b>Evidence scope</b>             | 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: Master build spec

Source basis: Bible v7.42 IP-153

## 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.

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