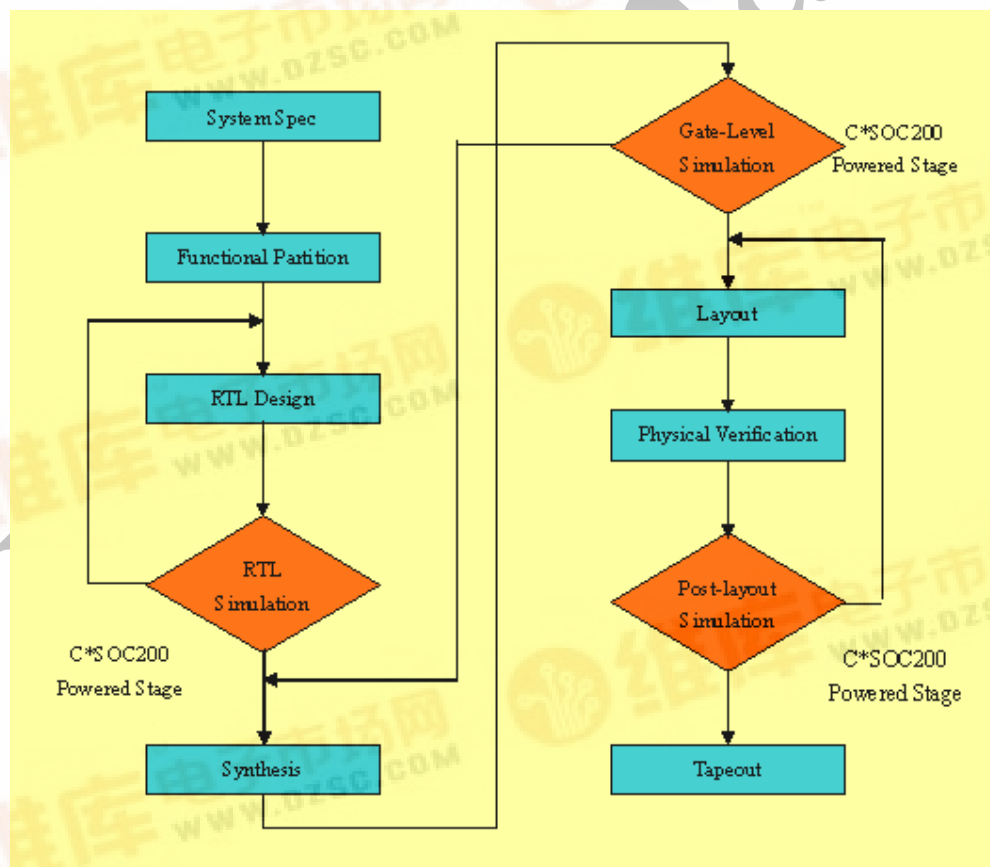


## C\*SOC200 Data Sheet

### Summary

C\*SOC200 is a platform to accelerate C\*Core™ based SOC design. Platform based design is an integration-oriented approach to maximize system reuse. A core platform comprises at least a processor and the essential IP modules that the processor requires for efficient operation. By reusing the pre-verified IP cores and leveraging existing IP modules, and also the extendable platform, SOC designers can significantly reduce development risk, cost and time to market. With C\*SOC200 design platform, SOC designers can concentrate on developing their high-value application-specific IP modules. In current SOC design, verification accounts for 70% or more efforts. In addition to providing the ability to quickly build and integrate a SOC project, C\*SOC design platform also gives a flexible opening verification environment to reduce verification effort. C\*SOC200 plays an important role at multiple stages of SOC design flow.



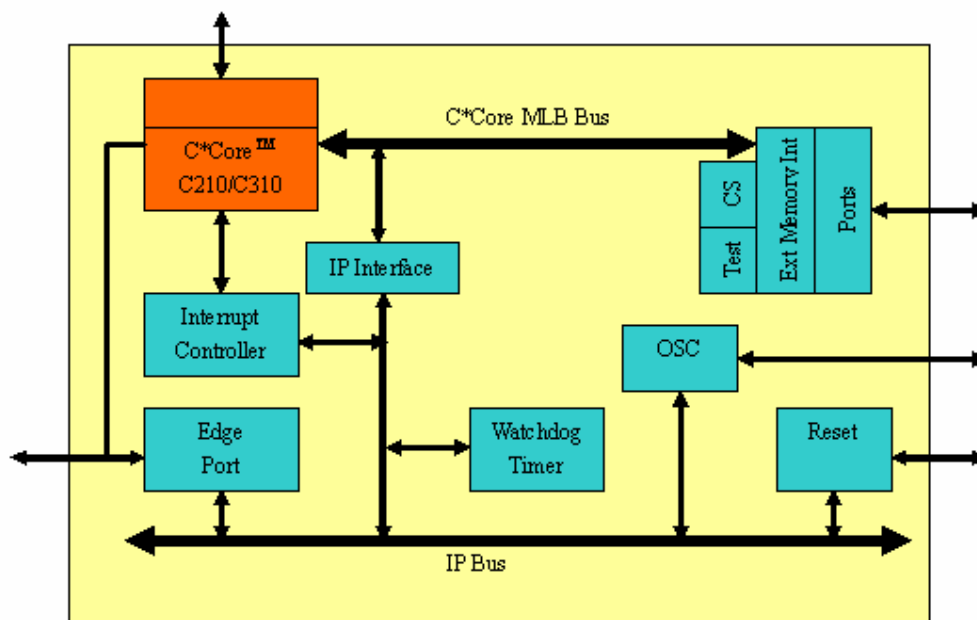
### C\*SOC200 Features

Reliable and easy to use design platform.

Support C\*Core™ C210 and C310



- Ø Configurable and extendable platform to allow rapid creation of SOC project.
- Ø Multiple verification modes (Master, Slave, Single Chip, etc.).
- Ø Support hardware/software co-verification
- Ø Support different abstraction level, such as RTL, Gate level, PLI model, etc.
- Ø Generate verification results automatically
- Ø Include plenty of pre-verified IP modules (RTL, test patterns, synthesis scripts, etc.)
- Ø Optimized directory structure to ease project management
- Ø Scalable and open architecture to facilitate adding new IP modules.
- Ø Support multiple project development
- Ø Configurable C\*Bus architecture
- Ø Ease transition from standalone test bench to system-level integration.
- Ø Include C\*Core™ simulator for hardware and software partition, and co-development
- Ø Bus monitors and reporters included to generate simulation log files and provide heuristic clue for debugging
- Ø Operating system support available (uC/OS and embedded Linux)
- Ø Device drivers available



**Availability:** Q2, 2003

To obtain more information about the C\*SOC or other C\*CORE™ products, please contact the C\*Core Technology Co., Ltd. by phone: 0512-68091377, email: [support@china-core.com](mailto:support@china-core.com) or web: <http://www.china-core.com>.

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