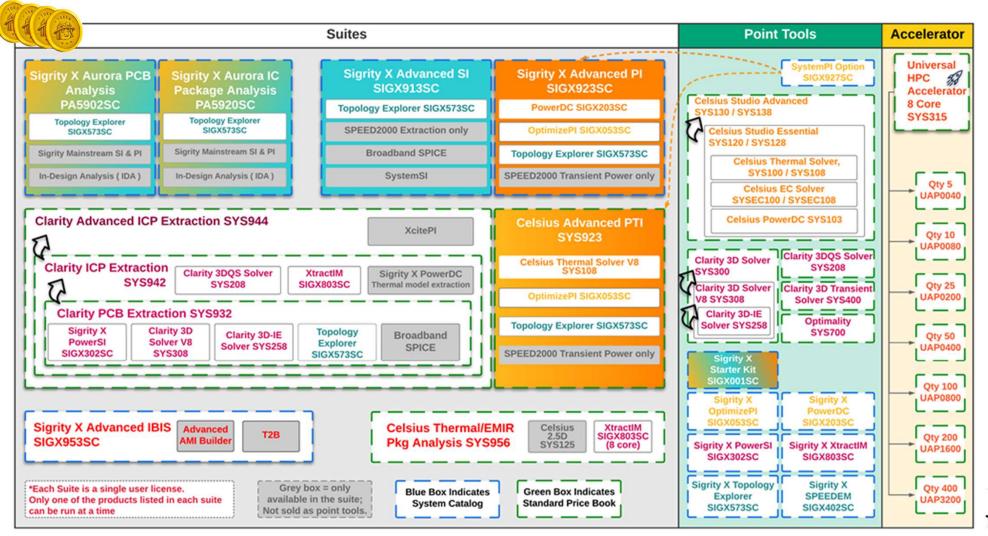


Enables Signal/Power Integrity Solution to be sold with greater flexibility

Brad Griffin, Product Management Group Director August 2024

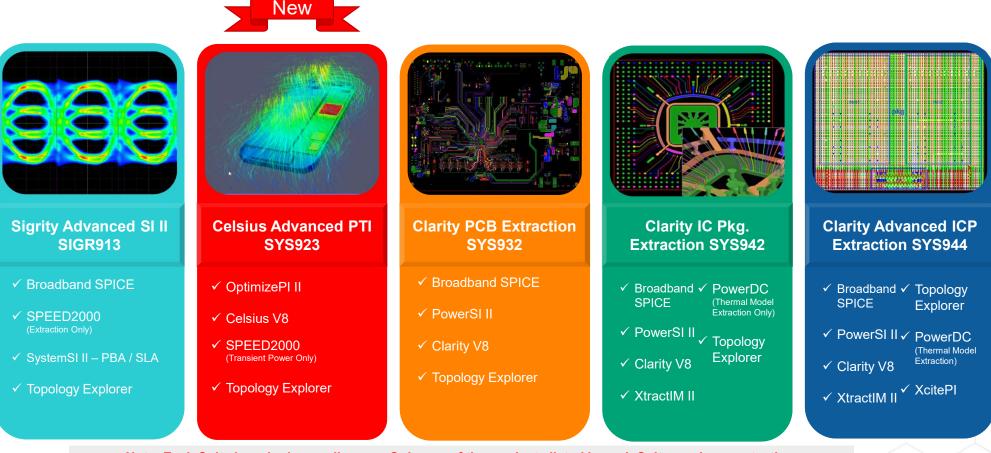
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The Sigrity / Clarity / Celsius Product Line H2 2024



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Sigrity X /Clarity /Celsius Bundles 2H 2021



Note: Each Suite is a single user license. Only one of the products listed in each Suite can be run at a time

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Sigrity X: Why tokens and why now? Background and Motivation

- Sigrity is a mature product line acquired by Cadence in 2012
 - The product line covers a wide range of signal, power, thermal, and EMC simulation technology
- Sigrity X tokens can:
 - Make it easy to explore the tool set outside of normal workflows
 - When licenses are not in use, tokens make it easy to evaluate tools not currently part of a standard workflow
 - Make engineers more efficient as they take on different tasks
 - The same token license are used when running signal integrity tools as when running power integrity tools
 - Make it easy to onboard new engineers
 - Simply order more tokens giving the new engineer the flexibility to run whatever tools are needed to help the design team
 - Provide flexibility for peak simulation requirements
 - One project may require more power integrity simulations, and another project may require more signal integrity tokens will
 provide licenses for either situation

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How Sigrity X Tokens Work

- Tools have a defined token count to check out ... examples:
 - PowerSI 4 tokens
 - Advanced SI 6 tokens
 - XtractIM 6 tokens
 - XcitePI 8 tokens
 - Note: Tokens are returned to the license pool upon closing the tool making them reusable



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- Sigrity X tokens only valid for Sigrity X, Clarity V8, and Celsius V8 technology
 - Not for other Clarity, Celsius, Optimality, or accelerators
 - Clarity V8 will require one Clarity enabler token
 - The remaining five tokens will be Sigrity X tokens
 - Celsius V8 will require one Celsius enabler token
 - The remaining five tokens will be Sigrity X tokens
- Tokens can be mixed with standard licenses: user is given a choice to check out tokens or regular license
 - CAD managers have the flexibility to assign either standard licenses or tokens to individual users
 - Note: Tokens cannot be stacked to add cores, but standard licenses can
 - Token users must use accelerator licenses (SYS315 / UAPxxxx) to add cores

C	noose License Suites	×	
с	hoose appropriate license suites from the following list.		
Pay attention to the license restrictions. Unauthorized use of a license is a violation of the License Agreement.			
	PowerSI II		
	🗹 PowerSI II Token (4)		
	PowerSI (legacy)		
	Sigrity Power Aware SI Suite		

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Details of the Token Licensing

- Each Sigrity/Clarity/Celsius tool will continue to support their existing license strings, but when no license string is
 available, the tool will check for token availability and check out a specific number of tokens in place of checking out the
 license string.
- Clarity/Celsius product will require one special enabler token along with the Sigrity X tokens.
- The table below shows the equivalent Ala Carte product and number of tokens
- Token licenses require Sigrity 2023.1 tool version. Not backward compatible. SPB23.1 is needed to run in Allegro and APD for Aurora and for TopXP to work with the Tokens

Part #	Product Name	Require d Tokens
PA5902	Sigrity Aurora PCB Analysis	2
PA5920	Sigrity Aurora IC Package Analysis	
GR001 Sigrity Starter Kit		2
IGR011 Sigrity Broadband SPICE		2
SIGR021	Sigrity Transistor to Behavioral Modeling (T2B)	2
SIGR053	Sigrity OptimizePI II	4
SYS103	Celsius PowerDC	4
SIGR302	Sigrity PowerSI II	4
SIGR402	Sigrity SPEEDEM	2
SIGR404	Sigrity ERC	2
SIGR803	Sigrity XtractIM II	6
SIGR913	Sigrity Advanced SI II	6
SYS923 + SIGR927	Celsius Advanced PTI + Sigrity Advanced PI II SystemPI Option	8
SIGR550	Advanced AMI Builder	8
SIGR776	XcitePl	8
SYS108	Celsius Thermal Solver V8	5 + 1
SYS308	Clarity 3D Solver V8	5 + 1

Seeding Clarity / Celsius with Sigrity X tokens One Clarity enabler token required to run Clarity V8 (plus 5 Sigrity X tokens) **One Celsius** enabler token required to run Celsius V8 (plus 5 Sigrity X tokens)

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Token List Requirements effective 2024.0 Release

- License Strings: (1) SigrX_Token
- Marketing Requirements

SIGR031 Translator can run whenever a single token exists, no license check-out needed

Part #	Product Name	Tokens
SIGR031	Sigrity CAD Design / Data Translators	1
PA5902	Sigrity Aurora PCB Analysis	2
PA5920	Sigrity Aurora IC Package Analysis	4
SIGR001	Sigrity Starter Kit	2
SIGR011	Sigrity Broadband SPICE	2
SIGR021	Sigrity Transistor to Behavioral Modeling (T2B)	2
SIGR053	Sigrity OptimizePI II	4
SYS103	Celsius PowerDC	4
SIGR302	Sigrity PowerSI II	4
SIGR402	Sigrity SPEEDEM	2
SIGR404	Sigrity ERC	2
SIGR803	Sigrity XtractIM II	6
SIGR913	Sigrity Advanced SI II	6
SIGR927	Sigrity SystemPI Option	6
SIGR580	Advanced AMI Builder	8
SIGR706	XcitePI Simulation	8
SIGR776	XcitePI Extraction	8
SYS108	Celsius Thermal Solver V8	5 + 1
SYS208	Clarity 3DQS Solver V8	<mark>5 + 1</mark>
SYS308	Clarity 3D Solver V8	5 + 1

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Summary of the New Products Requested in the CPM System

Part Number / Product Name	Price book Type	Comments
SIGRXT06SC – Sigrity X Token Pack	SQW Exception for System Pricebook	License Feature: SigrX_Token (Qty 6)Product Mapping follows SIGR001
SYS1T01 – Celsius Enabler Token	SQW Exception for System Pricebook	 License feature: CelsiusE_Token (Qty 1) Product Mapping follows SYS100
SYS3T01 – Clarity Enabler Token	SQW Exception for System Pricebook	License feature: ClarityE_Token (Qty 1)Product Mapping follows SYS300

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No tokens planned yet for

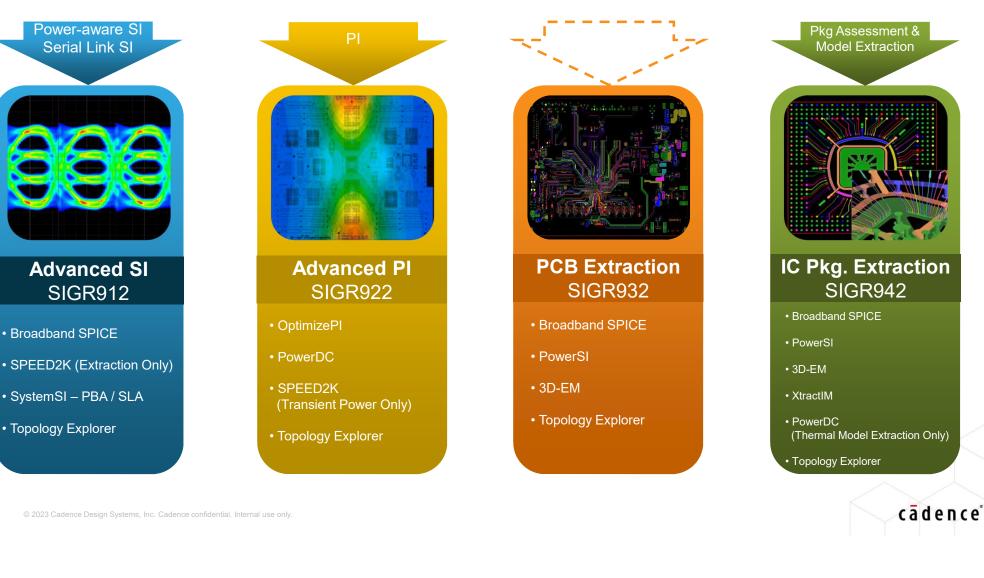
- Celsius EC
- Optimality

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New Bundle Transition

Topology Explorer