

NEWS RELEASE

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Carbon Automates AXI Interconnect Model Creation

Tight Integration with AMBA Designer from ARM Guarantees Accuracy

ACTON, MASS. — October 1, 2009 — [Carbon Design Systems](#)[™], the leading supplier of tools for the automatic creation, validation and deployment of system-level models, today announced availability of Carbon Model Studio for AMBA[™] Designer from ARM®, software for the creation of implementation-accurate models of AMBA interconnect fabric.

Used with AMBA Designer, Carbon Model Studio enables a designer to quickly configure and create a model of even the most complex AMBA interconnect and then utilize that model in any virtual platform or SystemC-based environment.

“The architecture of the interconnect fabric plays a huge role in determining the performance and throughput of system-on-chip designs,” remarks Andy Ladd, Carbon’s vice president of Applications and Solutions. “We have worked with numerous design teams who have tried hand-written approaches to model their interconnect fabric. In the end, there is no substitute for 100% accurate models generated automatically from implementation RTL code.”

More than 50 design teams worldwide use Carbon Model Studio to model their on-chip interconnect. Carbon Model Studio for AMBA Designer now delivers the same capability to designers who don’t need to create models of their own register transfer

level (RTL code) but still need 100% accuracy for their architectural decisions. It leverages Carbon's industry-leading Model Studio to compile AMBA interconnect RTL code directly into a software model that can be used in any leading virtual platform environment. Carbon leverages the IP-XACT definition created by ARM's AMBA Designer to automatically compile a model of the interconnect fabric using Carbon Model Studio.

Availability and Pricing

Carbon Model Studio for AMBA Designer is available immediately. Pricing starts at \$10,000.

About Carbon Design Systems

[Carbon Design Systems](#) offers the leading system validation solution for complex system-on-chip (SoC) designs. Target applications range from model generation and deployment to virtual platform creation, execution, and analysis. Carbon provides 100% implementation accuracy on the critical components required for accurate architectural analysis and pre-silicon hardware/software validation. Solutions are based on open industry standards, including SystemC, IP-XACT, Verilog, VHDL, OSCI TLM, MDI, SCML, CASI, CADI and CAPI. Carbon's customers are systems, semiconductor, and IP companies that focus on wireless, networking, and consumer electronics. Carbon is headquartered at 125 Nagog Park, Acton, Mass., 01720. Telephone: (978) 264-7300. Facsimile: (978) 264-9990. Email: info@carbondesignsystems.com.

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