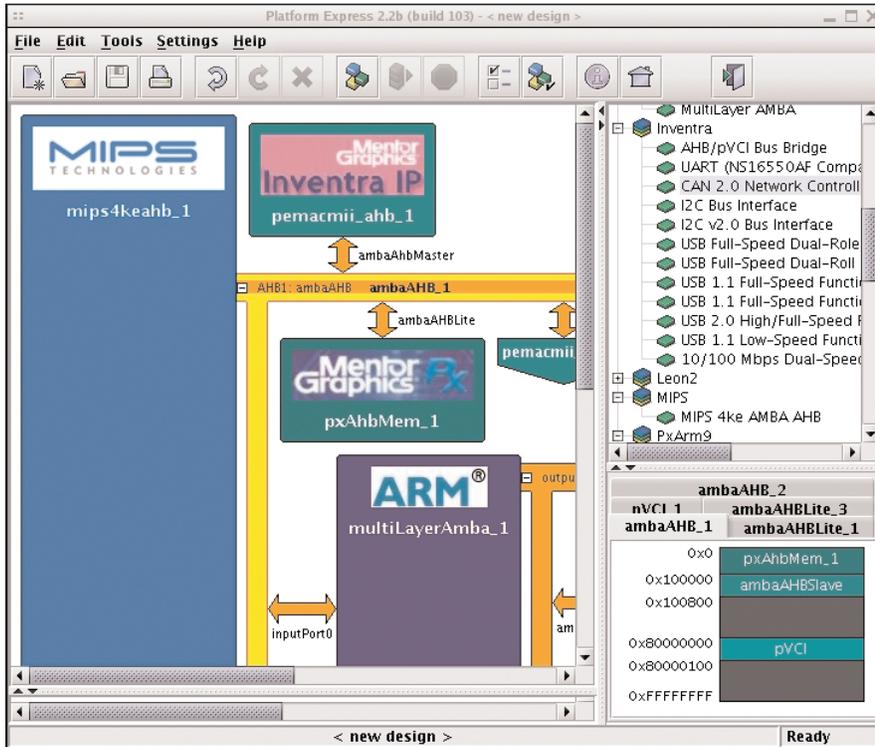


# Platform Express Client



Platform Express Client provides an intuitive environment for core-based SoC design. Download the product for free at [www.mentor.com/platform\\_ex](http://www.mentor.com/platform_ex) today.

## Rapidly Build and Verify SoC Designs in Minutes

Today's System-on-Chip (SoC) designs require the integration of hundreds of sophisticated IP blocks from various sources. As a result, designers must invest ever-increasing amounts of time and effort to understand the behavior of each individual IP block and its interaction with the surrounding circuitry.

To speed up the design cycle, a platform-based design methodology can be used. Platform-based design is an IP reuse strategy that facilitates the creation and verification of designs containing sophisticated IP from many different sources.

Platform Express™ Client is a platform-based design tool that enables the rapid creation, configuration and verification of sophisticated platform-based SoC designs by simply dragging and dropping IP onto a design. By automating tedious and error-prone design creation and verification steps, Platform Express Client allows design teams to create and verify complex SoC designs in minutes.

### Key product features:

- XML-based data processing means existing IP can automatically be built into new SoC designs
- Offers a rich set of design generators for hardware, software and documentation creation
- Easily extensible to accommodate new IP, buses, methodologies, design tools and more
- Includes sample libraries containing IP, example generators and support for common buses such as AMBA

### Key product benefits:

- Create and verify sophisticated SoC designs in minutes
- IP from many different sources is automatically configured and integrated into a design
- Download directly from [mentor.com/platform\\_ex](http://mentor.com/platform_ex) and start designing

## Platform Express Client — Key Product Highlights:

**XML design data:** Platform Express Client processes IP data expressed in XML format, including SPIRIT.

**Design generators:** Creates ready-to-simulate HDL (VHDL and Verilog), first-level diagnostics software and HTML design documentation.

**Tool support generators:** Targets created designs for verification in ModelSim® simulators, Seamless® HW/SW co-verification, XRAY® Debugger and other tools.

**Sample libraries:** Contain IP, example generators and support for common buses such as AMBA.

## Platform Express Product Family

Platform Express technology enables designers to create and verify sophisticated SoC multi-processor designs in minutes by simply dragging and dropping IP onto the design. The Platform

Express technology reads an IP block's XML databook to automate the configuration and integration of IP into a design.

Platform Express comes with a rich set of generators that can be used to create Verilog and VHDL designs, testbenches, first-level diagnostics software to execute on the design, HTML design documentation, and all the EDA tool configurations required to verify the design functions correctly.

For designers, **Platform Express Client** delivers the capabilities to create and verify platform-based SoC designs rapidly. **Platform Express Professional** adds to the core Platform Express Client functionality with a new set of sophisticated design creation options.

For IP creators, **Platform Express Integrator's Kit** enables creation and unlimited distribution of IP libraries and functionality that works for all Platform Express users.

	Designers		IP and Tool Creators
	Platform Express Client	Platform Express Professional	Platform Express Integrator's Kit
Create Verilog/VHDL Designs	Yes	Yes	Yes
Create RTL Bus Infrastructure	Yes	Yes	Yes <i>Programmable Content</i>
Create Software	Yes	Yes	Yes
Create Testbench	Yes <i>Basic Content</i>	Yes <i>Programmable Content</i>	Yes <i>Basic Content</i>
Create Design Documentation	Yes	Yes	Yes <i>Programmable Content</i>
Create Components from Designs	No	Yes	Yes
Include Unstructured Logic In Designs	No	Yes	Yes
Design Export	Yes	Yes	Yes
Create Platform Express IP Libraries for All Users	No	No	Yes
Customize Platform Express Functionality for All Users	No	No	Yes

*Platform Express product family features.*

Visit [www.mentor.com/platform\\_ex](http://www.mentor.com/platform_ex) for a free Platform Express download and the latest product news.

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