

Upgrade to the Fastest Performance Ever.

www.xilinx.com/ise4

- DESIGN PLANNING
- DESIGN ENTRY
- SYNTHESIS
- IMPLEMENTATION & CONFIGURATION
- BOARD LEVEL INTEGRATION
- VERIFICATION TECHNOLOGIES

The ISE Development Systems Deliver
All the Speed You Need ...

- Ultra-Fast Run Times
- Superior Device Performance
- Increased Productivity

Xilinx High-Performance Development Systems

The ISE design environment brings you the fastest and easiest family of design tools you can get. ISE combines advanced technologies such as Proactive Timing Closure with a flexible, easy-to-use graphical interface to help you achieve the best possible designs with the least time and effort, regardless of your experience level.

Four Easy-to-Use Configurations

The Integrated Software Environment (ISE) development systems are available in the following configurations:

ISE WebPACK

ISE WebPACK™ is the easiest development system to get — it's free and it's on the Web! ISE WebPACK combines support for advanced HDL entry, synthesis, and verification capabilities for both CPLDs and select FPGAs. (Refer to the chart on the back)

ISE BaseX

ISE BaseX is the industry's most cost-effective, PC-based programmable logic design environment. The ISE BaseX configuration provides all of the capabilities contained within ISE WebPACK plus additional tools that will help you complete your programmable logic design even faster. (Refer to the chart on the back)

ISE Alliance

ISE Alliance is designed to fit into your existing design environment. The tools work seamlessly with those of our EDA partners.

ISE Foundation

ISE Foundation™ is a complete, ready-to-use design environment that integrates schematic, synthesis, and verification technology into an intuitive, yet highly advanced design solution.

Xilinx also offers these optional productivity tools:

ModelSim Xilinx Edition (XE)

Provides a complete HDL simulation environment.

ChipScope™ ILA

Enables in-system logic debugging and design verification.

Modular Design

Allows you to divide multi-million gate designs into smaller modules to increase your productivity.

Xilinx System Generator for Simulink®

Allows you to develop high performance DSP systems for Xilinx FPGAs.

See For Yourself

Upgrade now and take advantage of the fastest and easiest development environment in the industry — ISE will save you time and effort in your next design. To get the full details on ISE, go to www.xilinx.com/ise4.

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 XILINX®

Development Systems Feature Comparison Guide

Feature	ISE WebPACK	ISE BaseX	ISE Foundation	ISE Alliance
Device Support				
Platform	PC	PC	PC/UNIX	PC/UNIX
Virtex™ Series	Up to 300K (Virtex-E and Virtex-II)	Up to 300K	ALL	ALL
Spartan™ Series	Spartan-II Series	ALL	ALL	ALL
XC4000™ Series	No	4KE & Newer	4KE & Newer	4KE & Newer
CoolRunner™ Series	ALL	ALL	ALL	ALL
XC9500™ Series	ALL	ALL	ALL	ALL
Design Planning				
Modular Design	No	Sold as an Option	Sold as an Option	Sold as an Option
Educational Services	Yes	Yes	Yes	Yes
Design Services	Sold as an Option	Sold as an Option	Sold as an Option	Sold as an Option
Support Services	Web Only	Yes	Yes	Yes
Design Entry				
Schematic Editor (Gate & Block Level HDL)	Yes	Yes	PC Only	No
HDL Editor	Yes	Yes	Yes	Yes
State Diagram Editor	Yes	Yes	PC Only	No
CORE Generator™	No	Yes	Yes	Yes
Xilinx System Generator for Simulink	No	Sold as an Option	Sold as an Option	Sold as an Option
Synthesis				
Xilinx Synthesis Technology (XST)	Yes	Yes	Yes	No
Synplify/Pro Integration	No	Yes	PC Only	PC Only
Leonardo Integration	Yes	Yes	Yes	Yes
ABEL	CPLD	CPLD	CPLD (PC Only)	No
Implementation Tools				
iMPACT	Yes	Yes	Yes	Yes
FloorPlanner	Yes	Yes	Yes	Yes
Xilinx Constraints Editor	Yes	Yes	Yes	Yes
Timing Driven Place & Route	Yes	Yes	Yes	Yes
Timing Improvement Wizard	No	Yes	Yes	Yes
Board Level Integration				
IBIS Models	Yes	Yes	Yes	Yes
STAMP Models	Yes	Yes	Yes	Yes
LMG SmartModels	Yes	Yes	Yes	Yes
Verification				
HDL Bencher™	Yes	Yes	PC Only	No
ModelSim Xilinx Edition (XE) (See www.xilinx.com for more information)	ModelSim XE Starter Included (ModelSim XE Sold as an Option)	ModelSim XE Starter Included (ModelSim XE Sold as an Option)	ModelSim XE Starter Included (ModelSim XE Sold as an Option)	ModelSim XE Starter Included (ModelSim XE Sold as an Option)
Static Timing Analyzer	Yes	Yes	Yes	Yes
Chipscope ILA	No	Sold as an Option	Sold as an Option	Sold as an Option
FPGA Editor with Probe	No	Yes	Yes	Yes
ChipViewer	Yes	Yes	Yes	Yes
XPower (Power Analysis)	Yes	Yes	Yes	Yes
3rd Party Simulator Support	Yes	Yes	Yes	Yes
IP/CORE	For more information on the complete list of Xilinx IP products, visit the Xilinx IP Center at http://www.xilinx.com/ipcenter			

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