

EXEMPLAR VHDL DISCOVERY KIT

Interested in Adopting VHDL?

EXEMPLAR VHDL DISCOVERY KIT

FAST | ACCURATE | EASY-TO-USE

PROTECT YOUR INVESTMENTS AS YOUR NEEDS GROW

As your expertise in HDL design grows, Exemplar VHDL Discovery Kit offers a unique migration path to more advanced Exemplar design environments. Exemplar's Galileo provides an integrated high-level design environment for simulation, synthesis, re-targeting and timing verification of FPGA, CPLD and ASIC designs. Exemplar's Leonardo builds upon Exemplar Logic's popular Galileo Design Environment, adding hierarchical interactive synthesis, hierarchical schematic viewing, and user-friendly wizard-like features.

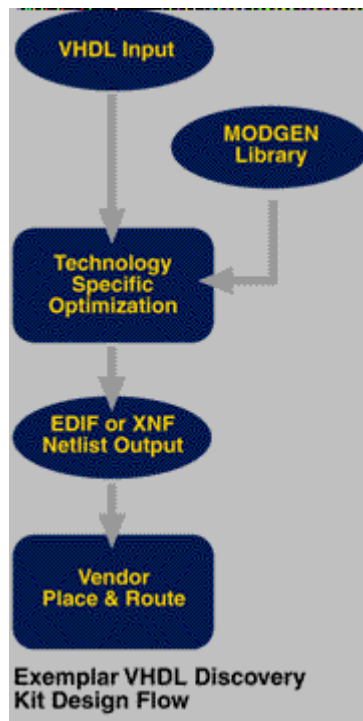
Your investment is protected since you can apply the purchase price of VHDL Discovery Kit towards the purchase of Galileo or Leonardo design environments within one year of purchase.

FEATURES:

- Esperan MasterClass Multimedia VHDL Tutorial
- VHDL language input capability
- Galileo-based synthesis engine
- Easy-to-use graphical interface
- Module Generation
- EDIF or XNF output to place and route tools
- Choice of one technology library
- Windows 95/NT

SELECT A TECHNOLOGY LIBRARY

- Xilinx 3000, 3100a
- Xilinx 4000, 4000e
- Xilinx 5200
- Lucent Technologies ORCA
- Altera FLEX 8000
- Altera FLEX 10000
- Altera MAX 7000, 9000
- Actel 1200XL
- Actel ACT2 and 3200DX
- Actel ACT3



"In order to meet time to market constraints, we needed to choose the right tools to get started and see quality results quickly. Exemplar tools are easy to use and the quality of results is excellent. The VHDL support is better than other, more expensive synthesis tools and allows us the flexibility we need in our design."

Leon Jiang, Ph.D. - Samsung Network Laboratories

The rewards of adopting a hardware description language (HDL) design methodology for your FPGA designs are well documented: productivity improvements of up to 10x, the ability to handle larger and more complex designs than a traditional schematic based methodology easily allows, and the ability to reuse existing design modules. Obtaining these rewards requires an investment in tools and in learning an HDL language and methodology. With project deadlines pressuring you, the right tools to quickly, effectively, easily learn and become productive with this new design methodology are key to success.

The Exemplar VHDL Discovery Kit eases the adoption of HDL design techniques. The VHDL Discovery Kit is a full synthesis tool based on Exemplar's popular and easy-to-use Galileo™ engine and includes Esperan's interactive multimedia VHDL training course. The VHDL Discovery Kit accepts VHDL input and offers synthesis and optimization for a particular FPGA family of your selection. Choose a technology family from Actel, Altera, Lucent Technologies or Xilinx. Exemplar VHDL Discovery Kit is a complete environment for a fast start with VHDL design for FPGAs!

LEARN VHDL SYNTHESIS THROUGH MULTIMEDIA TECHNOLOGY

Exemplar VHDL Discovery Kit includes Esperan's MasterClass multimedia VHDL tutorial for FPGA and CPLD design. MasterClass is designed for engineers learning VHDL for use on synthesis based projects. No previous HDL or software language experience is required. The Esperan tutorial focuses on VHDL for synthesis, covering design definition, major VHDL constructs, rules for manipulating signals and data types, and mixing concurrent and sequential statements. Esperan uses multimedia technology combining extensive graphics with simple, clear explanations. Audio commentary is available throughout the tutorial, aiding comprehension and reinforcing the topics discussed.

EXPERIENCE EXPERT RESULTS WITH THE GUIDANCE OF AN EDA LEADER

Exemplar VHDL Discovery Kit is based on Exemplar Logic's Galileo synthesis engine. Exemplar pioneered the concept of FPGA-specific technology mapping over nine years ago to take maximum advantage of unique device architectures. Exemplar delivers the only synthesis tools with proven expert performance and ease of use. Independent benchmarks have shown that first-time Exemplar users can out-perform expert users on other synthesis tools. With Exemplar you don't have to be a synthesis expert to get great results.