



Version 5.3 Update

July 2002

Dear FPGA Advantage Customer,

Enclosed is your FPGA Advantage version 5.3 CD update shipment, at two-CD set. This new release is comprised of the latest versions of all the component pieces of FPGA Advantage: HDL Designer Series™ 2002.1a, ModelSim® 5.6a, and LeonardoSpectrum™ 2002b. On Disc 1 you will find all product information including a “What’s new in 5.3?” demonstration highlighting the new features introduced in this version, six additional multimedia demonstrations, six new application notes, a 30-minute getting started tutorial, collateral and links to the FPGA Advantage web site (www.fpga-advantage.com). Disc 2 contains install sets for all platforms, the getting started tutorial and the *Start Here Guide For FPGA Advantage*. The Start Here For FPGA Advantage Guide is also included in hard-copy format and provides further information about this current release.

New Features

FPGA Advantage 5.3 contains many new features, spanning all phases of the FPGA design flow. Please view the “What’s new in 5.3?” multimedia demo or read the corresponding application note, both located on CD Disc 1, to learn more. Some of the enhancements include:

- ☐ Enhanced IBD support
 - ☐ hierarchical change management
 - ☐ hierarchical net insert, delete, and propagate
 - ☐ add/remove hierarchy
 - ☐ signal stub for signal tracing
- ☐ ClioSoft SOS version management support
- ☐ Altera® MegaWizard® Verilog flow support
- ☐ Altera LogicLock™ incremental design support
- ☐ Enhanced simulation Dataflow window
- ☐ Microsoft® Windows® XP support

Licensing

Starting with FPGA Advantage 5.3, an additional license feature line is required for the ModelSim SE enhanced data flow window. If you are an *FPGA Advantage for HDL Design* customer with a ‘mgcld’ daemon license file, please contact your local Mentor Graphics sales representative or contact Mentor Graphics support via phone for US and Canada at 1-800-547-4303. Worldwide customer support contacts are listed at www.mentor.com/supportnet/support_offices.html.

Software Installation

For PC installation, load the FPGA Advantage CD Disc 2 and click the “Install” option from the FPGA Advantage menu screen. Select either “FPGA Advantage for HDL Design”, or “FPGA Advantage for Personal HDL Design, with Personal Simulation, Single Vendor or PD Versions” and follow the FPGA Advantage Setup program windows. The software you install must match the product you own.

For UNIX installation, mount the FPGA Advantage CD Disc 2 and change directory to /cdrom/cdrom0/unix (on Solaris) or /cdrom/unix (on HP-UX). There is a readme file called *readmeux.txt* at these locations for your reference. At the UNIX prompt, execute `./install.sh` and follow the FPGA Advantage install program instructions.

Invoking FPGA Advantage

To invoke FPGA Advantage on PCs, select *Start>Programs>FPGA Advantage 5.3>FPGA Advantage* or *Start>Programs>FPGA Advantage Personal 5.3>FPGA Advantage*.

To invoke FPGA Advantage on UNIX, execute `<install_dir>/Fpgadv/bin/fpgadv`.

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