

Logic Modeling Models

- Comprehensive approach to simulation modeling needs
- Broadest device coverage
- Early model availability
- All models have intelligent error checking

Synopsys Logic Modeling is the leading supplier of simulation models to the electronic design industry. The models includes ModelSource* and LM-family hardware modeling, SmartModel* Library and the VHDL SourceModel Libraries. These models support many of Intel's Flash memory components.

The ModelSource 3000 series and the LM-family hardware model servers bring the benefits of hardware modeling accuracy, fully-functional behavior, easy model development, and excellent simulation performance to the desktop. They use the actual physical device to model its own behavior during simulation. Hardware models provide accurate and full device functionality, including any undocumented behavior. Model Tools* model development software allowing designers to quickly develop their own hardware models, usually in a matter of days.

The SmartModel Library contains behavioral models of more than 7,500 devices from over 40 semiconductor companies. Devices supported included flash memories, microprocessors, DSPs, FPGAs, PLDs, and other memories. Each model performs a series of usage and timing checks during simulation that look for undefined interrupts, uninitialized registers, illegal conditions or any misuse of the component that is likely to slow or stall the design process. Any errors that are discovered are thoroughly documented, with the part instance, pin name and time of occurrence specified.

The VHDL SourceModel Libraries are accurate, behavioral-level models of over 3,800 of the most needed memory components and standard logic used in board-level design today. The models are written and distributed in VHDL and Verilog source code format for maximum flexibility and ease-of-use. Full device functionality and timing are modeled with intelligent error checking to immediately alert the user to potential timing or usage violations.

INTEL FLASH MEMORY SUPPORTED:

28F010, 28F001BX, 28F020, 28F002BC, 28F002BL, 28F002BV, 28F002BX, 28F200BL, 28F200BV, 28F200BX, 28F200CV, 28F004BE, 28F004BL, 28F004BV, 28F004BX, 28F004SC, 28F400BL, 28F400BV, 28F400BX, 28F400CE, 28F400CV, 28F008BE, 28F008BV, 28F008SA, 28F008SC, 28F800BV, 28F800CE, 28F800CV, 28F016SA, 28F016SC, 28F016SV, 28F016XD, 28F016XS, 28F032SA

AVAILABILITY:

Now

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