

ModelSim Product Comparison				
Feature	ModelSim Designer	ModelSim PE	ModelSim LE	ModelSim SE
General				
Licensing - Floating License	Option	Option	Option	■
Language Neutral License				Option
ASIC Sign-Off				■
IP Support				■
Integrated FPGA Library Support	■			
Integrated Version Control	■			
HDL Editor	■	■	■	■
Integrated Project Manager	■	■	■	■
Source Code Templates and Wizards	■	■	■	■
Platform-Independent Compiled Database	■	■	■	■
Native-Compiled Architecture	■	■	■	■
Incremental Compilation	■	■	■	■
32/64-Bit Cross-Compatibility				■
Languages				
VHDL	■	■		■
Verilog	■	■	■	■
Mixed Language	Option	Option		Option
Verilog 2001	■	■	■	■
SystemVerilog 3.1a Design	■	■	■	■
SystemC 2.1		Option	Option	Option
Analog/Mixed Signal (Advance MS Product)				Option
Verilog PLI/VPI	■	■	■	■
SystemVerilog Direct Programming Interface	■	■	■	■
VHDL FLI				■
Creation				
Design Entry	■			
HDL Text to Graphics	■			
Block and State Diagram Editing	■			
Waveform Editor	■	■	■	■
Stimulus Generation	■	■	■	■
Debug				
Source Code Debugging	■	■	■	■
Dataflow Window	Option	Option	■	■
C Debugger		Option (w/ SystemC)	■	■
Memory Window	■	■	■	■
Extra Standalone Viewer		Option	Option	Option
Multiple Waveform Windows				■
Waveform Compare	Option	Option	■	■
JobSpy				■
SignalSpy	■	■	■	■
User-Customizable GUI (via Tk)				■
Code Coverage (with Toggle Coverage)	Option	Option	Option	■
Animation of Graphics	■			
Signal Probes on Graphics	■			
Cross Referencing between Windows	■	■	■	■
Simulation				
Single-Kernel Simulation Engine	■	■	■	■
Verilog Performance Optimizations				■
Verilog Gate Optimizations				■
Performance and Memory Profiler	Option	Option	Option	■
Separate Elaboration				■
Waveform Management Tool Set	■	■	■	■
VCD and Extended VCD Support	■	■	■	■
VCD Re-simulation				■
Batch Mode Simulation		■	■	■
Integrated Sim Farm Support (via JobSpy)				■
Interactive Simulation	■	■	■	■
Checkpoint & Restore				■
SWIFT Interface / SmartModels	Option	Option	Option	■
Synopsys Hardware Modeler Support				■
Platform Support				
32-Bit OS Support	Windows 98/NT/ME/2000/XP	Windows 98/NT/ME/2000/XP	Linux	AIX, HP-UX, Linux, Solaris, Windows 98/NT/ME/2000/XP
64-Bit OS Support				AIX, HP-UX, Solaris, Linux (Itanium-2, Opteron)