



SmartModel Library Supported Simulators and Platforms

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Supported Simulators and Platforms

Introduction

This document contains information about the simulators and platforms supported by the SmartModel Library, all shown in [Table 1](#). In this table **Flex All Modes** means that you can use FlexModels with Direct C Control and HDL Control on that simulator and platform combination, whereas **Flex C Only** means you can only use Direct C Control. For general information about SmartModel Library documentation, or to navigate to a different online document, refer to the [Guide to SmartModel Documentation](#).



Note

All support for Sun SunOS and DEC Alpha Digital UNIX ended on September 1, 2000.

Table 1: Supported Simulators and Platforms

Platform Simulator	HP700 HP-UX 10.20 11.0/32-bit	Sun Solaris 2.6 2.7/32-bit	IBMRS AIX 4.3.2/32-bit	Intel NT 4.0	Red Hat Linux 6.1
VHDL Simulators Key: Smart =SmartModels, Flex =FlexModels, N/A=Not Available					
Synopsys Scirocco 2000.02 and above	Smart Flex All Modes	Smart Flex All Modes	N/A	N/A	N/A
Synopsys VSS 3.5a and above	Smart Flex All Modes	Smart Flex All Modes	N/A	Smart Flex C Only	N/A

Table 1: Supported Simulators and Platforms (Continued)

Platform Simulator	HP700 HP-UX 10.20 11.0/32-bit	Sun Solaris 2.6 2.7/32-bit	IBMRS AIX 4.3.2/32-bit	Intel NT 4.0	Red Hat Linux 6.1
Cadence Leapfrog 2.3 and above	Smart Flex C Only	Smart Flex C Only	Smart	N/A	N/A
Cadence NC-VHDL 3.0 and above	Smart Flex All Modes	Smart Flex All Modes	N/A	Smart Flex All Modes	N/A
Mentor Graphics QuickHDL B.3 and above	Smart Flex C Only	Smart Flex C Only	N/A	N/A	N/A
ViewLogic Fusion 2.3 and above/ Speedwave	Smart Flex C Only	Smart Flex C Only	N/A	Smart Flex C Only	N/A
VeriBest VHDL SysSim	N/A	N/A	N/A	Smart Flex C Only	N/A
MTI VHDL ^a (ModelSim)	Smart Flex All Modes	Smart Flex All Modes	Smart Flex All Modes	Smart Flex All Modes	Smart Flex All Modes
IKOS Voyager 2.32 and above	Smart Flex C Only	Smart Flex C Only	Smart	N/A	N/A
Verilog Simulators Key: Smart =SmartModels, Flex =FlexModels, N/A=Not Available					
Synopsys VCS 3.1.4 and above	Smart Flex All Modes	Smart Flex All Modes	Smart Flex All Modes	Smart Flex All Modes	Smart Flex All Modes
Cadence Verilog-XL 2.3 and above (via LMTV) ^b	Smart Flex All Modes	Smart Flex All Modes	Smart	Smart Flex All Modes	Smart Flex All Modes
Cadence NC-Verilog 1.1 and above (via LMTV)	Smart Flex All Modes	Smart Flex All Modes	Smart	Smart Flex All Modes	Smart Flex All Modes

Table 1: Supported Simulators and Platforms (Continued)

Platform Simulator	HP700 HP-UX 10.20 11.0/32-bit	Sun Solaris 2.6 2.7/32-bit	IBMRS AIX 4.3.2/32-bit	Intel NT 4.0	Red Hat Linux 6.1
MTI Verilog (ModelSim) 5.1b and above (via LMTV)	Smart Flex All Modes	Smart Flex All Modes	Smart Flex All Modes	Smart Flex All Modes	N/A
ViewLogic Fusion 2.3 and above/ VCS	Smart Flex C Only	Smart Flex C Only	N/A	Smart Flex C Only	N/A
Simucad Silos III (via LMTV)	N/A	N/A	N/A	Smart Flex C Only	N/A
VeriBest Verilog SysSim	N/A	N/A	N/A	Smart Flex C Only	N/A
Summit Design Visual VerilogDrive	Smart Flex C Only	Smart Flex C Only	N/A	N/A	N/A
Avant! Polaris 2.0 and above	Smart Flex C Only	Smart Flex C Only	N/A	N/A	N/A
Other Simulators Key: Smart =SmartModels, Flex =FlexModels, N/A=Not Available					
Analogy Saber/ModelSim Cosimulation Interface ^c	Smart Flex C Only	Smart Flex C Only	Smart	N/A	N/A
AT&T ATTSIM 2.0 and above	N/A	Smart Flex C Only	Smart	N/A	N/A
Cadence Affirma Coexecution Simulator	Smart Flex C Only	Smart Flex C Only	Smart	N/A	N/A
Cadence OpenModeler (Rapidsim) 1.1 and above	Smart Flex C Only	Smart Flex C Only	Smart	N/A	N/A

Table 1: Supported Simulators and Platforms (Continued)

Platform Simulator	HP700 HP-UX 10.20 11.0/32-bit	Sun Solaris 2.6 2.7/32-bit	IBMRS AIX 4.3.2/32-bit	Intel NT 4.0	Red Hat Linux 6.1
ViewLogic Fusion 2.3 and above/ ViewSim	Smart Flex C Only	Smart Flex C Only	N/A	Smart Flex C Only	N/A
IBM AUSSIM V1R1 and above	N/A	N/A	Smart	N/A	N/A
IKOS Voyager FS 2.0 and above ^d	Smart	N/A	N/A	N/A	N/A
IKOS Gemini ^e	Smart Flex C Only	Smart Flex C Only	N/A	N/A	N/A
MGC QuickSim II B.3 and above	Smart Flex C Only	Smart Flex C Only	N/A	Smart Flex C Only	N/A
MGC QuickFault II B.1 with patch 301 and above	Smart	Smart	N/A	N/A	N/A
Summit Design Visual HDL 5.0 and above	Smart Flex C Only	Smart Flex C Only	N/A	N/A	N/A
Teradyne LASAR 6.6 and above ^f	Smart Flex C Only	Smart Flex C Only	Smart	N/A	N/A
VEDA Vulcan 2.1 and above	Smart Flex C Only	Smart Flex C Only	Smart	N/A	N/A
VEDA VerdictFault 4.0 and above	Smart	Smart	N/A	N/A	N/A
VEDA SysHILO 4.5 and above	Smart Flex C Only	Smart Flex C Only	Smart	N/A	N/A

a. ModelSim VHDL PE (Personal Edition) does not have a SmartModel interface.

b. LMTV stands for the Logic Modeling To Verilog interface.

- c. SmartModel access to the Analog Saber/ModelSim cosimulation interface is through ModelSim.
- d. IKOS Voyager FS is a fault analysis simulator.
- e. IKOS Gemini connects to SmartModels via the Cadence Verilog-XL or Synopsys VCS simulators.
- f. Teradyne LASAR v6.60 and up supports logic simulation, fault analysis, and min-max timing analysis.