

Hardware/Software Specifications

Platform Models: HP 9000/7xx  
HP 9000/8xx  
HP B-Class  
HP C-Class  
HP J-Class  
HP K-Class

Supported Graphics Environments: X11 (X11-R5 libraries), Starbase, OpenGL run time libraries

Supported MDI Products:	ADAMS/View	11.0
	ADAMS/PostProcessor	11.0
	ADAMS/Insight	11.0
	ADAMS/Solver Task	11.0
	ADAMS/Vibration	11.0
	ADAMS/Durability	11.0
	ADAMS/Animation	11.0
	ADAMS/Controls	11.0
	ADAMS/Flex	11.0
	ADAMS Flexible Body Generator	11.0
	ADAMS/Linear	11.0
	ADAMS/Hydraulics	11.0
	ADAMS/Rail	11.0
	ADAMS/Car	11.0
	ADAMS/Car Suspension Design	11.0
	ADAMS/Car Conceptual Suspension	11.0
	ADAMS/Car Vehicle Dynamics	11.0
	ADAMS/Pre	11.0
	ADAMS/Engine	11.0
	ADAMS/Engine Valvetrain	11.0
	ADAMS/Engine Chain Drive	11.0
	ADAMS/Engine Timing Belt	11.0
	ADAMS/Driver	11.0
	ADAMS/Tire Handling	11.0
	ADAMS/Tire F-Tire	11.0
	ADAMS/Tire Durability	11.0
	EDM Socket	11.0
	ADAMS/Exchange	11.0
	CAT/ADAMS Interface Only	11.0
	MECHANISM/Pro Iface Only 2000i2	11.0
	ADAMS/SDK Solver	11.0
	ADAMS Model Database SDK	11.0

Hardware/Software Specifications

Demo passwords are available for this platform family.

Supported/Required Software Environments:

<u>Software Product</u>	<u>Fortran Specs</u>	<u>C Specs</u>	<u>Graphics Software Requirements</u>
ADAMS/View	F90 v2.4	c89 10.32.16, aCC 1.18	X11/Motif, OpenGL and Starbase runtime libraries
ADAMS/PostProcessor	N/A	N/A	Please see ADAMS/View requirements
ADAMS/Insight	N/A	N/A	X11
ADAMS/Solver Task	F90 v2.4	c89 10.32.16, aCC 1.18	X11/ Motif
ADAMS/Vibration	N/A	N/A	Please see ADAMS/View requirements
ADAMS/Durability	N/A	N/A	Please see ADAMS/View requirements
ADAMS/Animation	N/A	N/A	X11/Motif, Starbase runtime libraries
ADAMS/Controls	F90 v2.4	c89 10.32.16, aCC 1.18	N/A
ADAMS/Hydraulics	F90 v2.4	c89 10.32.16 aCC 1.18	N/A
ADAMS/Rail	F90 v2.4	c89 10.32.16, aCC 1.18	Please see ADAMS/View requirements
ADAMS/Car Suspension Design	F90 v2.4	c89 10.32.16, aCC 1.18	Please see ADAMS/View requirements
ADAMS/Car Vehicle Dynamics	F90 v2.4	c89 10.32.16, aCC 1.18	Please see ADAMS/View requirements
ADAMS/Pre	F90 v2.4	c89 10.32.16 aCC 1.18	X11/Motif
ADAMS/Engine Valvetrain	F90 2.4	c89 10.32.16, aCC 1.18	Please see ADAMS/View requirements
ADAMS/Engine Chain Drive	F90 2.4	c89 10.32.16, aCC 1.18	Please see ADAMS/View requirements
ADAMS/Engine Timing Belt	F90 2.4	c89 10.32.16, aCC 1.18	Please see ADAMS/View requirements
CAT/ADAMS Interface Only	N/A	N/A	Please see your CATIA requirements
MECHANISM/Pro Iface Only 2000i2	N/A	N/A	Please see your Pro/Engineer 2000i2 requirements
ADAMS/SDK Solver	N/A	c89 10.32.16, aCC 1.18	N/A

Note: Fortran libraries are required for creating any ADAMS/Solver custom executable.

Hardware/Software Specifications

Supported/Required Hardware Environments:

<u>Software Product</u>	<u>Supported Configurations</u>	<u>Specific Hardware Requirements</u>
ADAMS/View	All	Mouse, Visualize graphics card recommended
ADAMS/PostProcessor	All	Please see ADAMS/View requirements
ADAMS/Insight	All	Mouse
ADAMS/Solver Task	All	N/A
ADAMS/Vibration	All	Please see ADAMS/View requirements
ADAMS/Durability	All	Please see ADAMS/View requirements
ADAMS/Animation	All	Mouse, Visualize graphics card recommended
ADAMS/Controls	All	N/A
ADAMS/Flex	All	N/A
ADAMS Flexible Body Generator	All	N/A
ADAMS/Rail	All	Please see ADAMS/View requirements
ADAMS/Car	All	N/A
ADAMS/Car Suspension Design	All	Please see ADAMS/View requirements
ADAMS/Car Vehicle Dynamics	All	Please see ADAMS/View requirements
ADAMS/Pre	All	Mouse
ADAMS/Engine Valvetrain	All	Please see ADAMS/View requirements
ADAMS/Engine Chain Drive	All	Please see ADAMS/View requirements
ADAMS/Engine Timing Belt	All	Please see ADAMS/View requirements
CAT/ADAMS Interface Only	All	Please see your CATIA requirements
MECHANISM/Pro Iface Only 2000i2	N/A	Please see your Pro/Engineer 2000i2 requirements

Hardware/Software Specifications

Memory Requirements: (MBytes)	Minimum	256.0
	Recommended	512.0
Disk Space Requirements: (MBytes)	ADAMS/Pre	59.0
	ADAMS/Animation	60.0
	ADAMS/Flex	23.0
	CAT/ADAMS Interface Only	24.0
	ADAMS/Controls	8.0
	ADAMS/Insight	3.0
	ADAMS/SDK Solver	142.0
	ADAMS/Car	70.0
	ADAMS/Solver Task	1.0
	ADAMS/View	59.0
	ADAMS/Rail	18.0
	ADAMS/PostProcessor	8.0
	ADAMS/Hydraulics	3.0
	ADAMS/Engine	30.0
	MECHANISM/Pro Iface Only 2000i2	47.0
	ADAMS/Vibration	3.0
ADAMS/Durability	1.0	
ADAMS Flexible Body Generator	2.0	
Miscellaneous	162.0	
	Total	723.0

General Hardware Requirements:

- Swap Space: 400 Mbytes
  - Distribution Media: CD-ROM
  - Terminal: HP monitor
  - Mouse: Required for graphics in all products
  - Postscript printer and/or HPGL plotter required for hard copies in
  - ADAMS/View, ADAMS/Car, ADAMS/Engine, ADAMS/Rail require the following HP-UX configurable kernal tuneable parameters:
    - 128-256 Mbytes maxdsiz required
    - 128-256 Mbytes maxtsiz required
    - 128 or higher maxusers required to increase file descriptors
- These values can be modified through SAM

## Hardware/Software Specifications

Licensing Requirements:

MDI supports two types of licensing: 1) A Network license, 2) A Node-Locked, Task-Limited license. The Network license allows program execution on any computer on the network that can communicate with the license server. A Node-locked Task-Limited license, allows you to choose the computer the software will run on, but limit the number of simultaneous users. This computer must also be able to communicate with the license server.

With either type of licensing, MDI requires that you choose a license server(s). You may choose one (1) or three (3) license servers. MDI requires the following system information from machines designated as license servers.

- 1) The host name(s) of the license server machine(s). The host name can be obtained by entering the command 'hostname'. For example:

```
% hostname  
spartacus
```

Host names are case sensitive. Please report the entire host name as returned by the command 'hostname'. For example:

```
% hostname  
spartacus@troy.engr.mbsu.edu
```

- 2) The system id, as returned by the command 'uname -i'. For example:

```
% uname -i  
2012272894
```

MDI requires the system ids for all machines used in Node-Locked, Task-Limited license. The system id may be obtained with the method described above.

Comments:

Creation of user-executables requires installation of the X11-R5 libraries  
Required HP Patches: PHSS\_10765, PHSS\_13516, PHSS\_13524, PHSS\_14262