

Hardware/Software Specifications

Platform Models: HP B-Class PA-8K
HP C-Class PA-8K
HP J-Class PA-8K
HP K-Class PA-8K

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

Supported MDI Products:	ADAMS/View	12.0
	ADAMS/Exchange	12.0
	ADAMS/PostProcessor	12.0
	ADAMS/Solver Task	12.0
	ADAMS/Linear	12.0
	ADAMS/Vibration	12.0
	ADAMS/Durability	12.0
	ADAMS/Flex	12.0
	ADAMS/AutoFlex	12.0
	ADAMS/Controls	12.0
	ADAMS/Hydraulics	12.0
	ADAMS/Insight	12.0
	ADAMS/Rail	12.0
	ADAMS/Car	12.0
	ADAMS/Car Suspension Design	12.0
	ADAMS/Car Conceptual Suspension	12.0
	ADAMS/Car Vehicle Dynamics	12.0
	ADAMS/Driveline	12.0
	ADAMS/Chassis	12.0
	ADAMS/Engine Base	12.0
	ADAMS/Engine Valvetrain	12.0
	ADAMS/Engine Chain Drive	12.0
	ADAMS/Engine Timing Belt	12.0
	ADAMS/Engine Accessory Drive	12.0
	ADAMS/Engine Basic Cranktrain	12.0
	ADAMS/Engine Advanced Cranktrain	12.0
	ADAMS/Engine Gear	12.0
	ADAMS/Aircraft Landing Gear	12.0
	ADAMS/Aircraft Handling Tire	12.0
	ADAMS/Driver	12.0
	ADAMS/Tire Handling	12.0
	ADAMS/Tire FTire	12.0
	ADAMS/Tire 3D Contact	12.0
	ADAMS/3D Road	12.0
	ADAMS/Tire SWIFT	12.0
	ADAMS/Tire Motorcycle Tire	12.0

Hardware/Software Specifications

ADAMS/Tire Motorcycle Data Lib	12.0
ADAMS/Tire Pass. Car Data Lib	12.0
ADAMS/Tire Light Truck Data Lib	12.0
ADAMS/EDM	12.0
MECHANISM/Pro Iface Only 2001	12.0
ADAMS/Animation	12.0
ADAMS/SDK Solver	12.0
ADAMS Model Database SDK	12.0

Demo passwords are available for this platform family.

Hardware/Software Specifications

Supported/Required Software Environments:

<u>Software Product</u>	<u>Fortran Specs</u>	<u>C Specs</u>	<u>Graphics Software Requirements</u>
ADAMS/View	F90 2.4.13	c89 11.01.20, aCC 3.27	X11/Motif, OpenGL and Starbase runtime libraries
ADAMS/PostProcessor	N/A	N/A	Please see ADAMS/View requirements
ADAMS/Solver Task	F90 2.4.13	c89 11.01.20, aCC 3.27	X11 sharable libraries
ADAMS/Vibration	N/A	N/A	Please see ADAMS/View requirements
ADAMS/Durability	N/A	N/A	Please see ADAMS/View requirements
ADAMS/Controls	N/A	N/A	Please see ADAMS/View requirements
ADAMS/Hydraulics	N/A	N/A	Please see ADAMS/View requirements
ADAMS/Insight	N/A	N/A	X11 sharable libraries
ADAMS/Rail	F90 2.4.13	c89 11.01.20, aCC 3.27	Please see ADAMS/View requirements
ADAMS/Car Suspension Design	F90 2.4.13	c89 11.01.20, aCC 3.27	Please see ADAMS/View requirements
ADAMS/Car Conceptual Suspension	F90 2.4.13	c89 11.01.20, aCC 3.27	Please see ADAMS/View requirements
ADAMS/Car Vehicle Dynamics	F90 2.4.13	c89 11.01.20, aCC 3.27	Please see ADAMS/View requirements
ADAMS/Driveline	F90 2.4.13	c89 11.01.20, aCC 3.27	Please see ADAMS/View requirements
ADAMS/Chassis	F90 2.4.13	c89 11.01.20, aCC 3.27	X11 sharable libraries
ADAMS/Engine Base	F90 2.4.13	c89 11.01.20, aCC 3.27	Please see ADAMS/View requirements
ADAMS/Engine Valvetrain	F90 2.4.13	c89 11.01.20, aCC 3.27	Please see ADAMS/View requirements
ADAMS/Engine Chain Drive	F90 2.4.13	c89 11.01.20, aCC 3.27	Please see ADAMS/View requirements
ADAMS/Engine Timing Belt	F90 2.4.13	c89 11.01.20, aCC 3.27	Please see ADAMS/View requirements
ADAMS/Engine Accessory Drive	F90 2.4.13	c89 11.01.20, aCC 3.27	Please see ADAMS/View requirements
ADAMS/Engine Basic Cranktrain	F90 2.4.13	c89 11.01.20, aCC 3.27	Please see ADAMS/View requirements
ADAMS/Engine Advanced Cranktrain	F90 2.4.13	c89 11.01.20, aCC 3.27	Please see ADAMS/View requirements
ADAMS/Engine Gear	F90 2.4.13	c89 11.01.20, aCC 3.27	Please see ADAMS/View requirements
ADAMS/Aircraft Landing Gear	F90 2.4.13	c89 11.01.20, aCC 3.27	Please see ADAMS/View requirements
MECHANISM/Pro Iface Only 2001	N/A	N/A	Please see your Pro/Engineer requirements
ADAMS/Animation	N/A	N/A	X11 and Starbase sharable libraries

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, fx5 or fx10 graphics card recommended
ADAMS/Exchange	All	N/A
ADAMS/PostProcessor	All	Please see ADAMS/View requirements
ADAMS/Solver Task	All	N/A
ADAMS/Linear	All	N/A
ADAMS/Vibration	All	Please see ADAMS/View requirements
ADAMS/Durability	All	Please see ADAMS/View requirements
ADAMS/Flex	All	N/A
ADAMS/AutoFlex	All	N/A
ADAMS/Controls	All. Please see Comments section at the end of this document.	Please see ADAMS/View requirements
ADAMS/Hydraulics	All	Please see ADAMS/View requirements
ADAMS/Insight	All	Mouse
ADAMS/Rail	All	Please see ADAMS/View requirements
ADAMS/Car Suspension Design	All	Please see ADAMS/View requirements
ADAMS/Car Conceptual Suspension	All	Please see ADAMS/View requirements
ADAMS/Car Vehicle Dynamics	All	Please see ADAMS/View requirements
ADAMS/Driveline	All	Please see ADAMS/View requirements
ADAMS/Chassis	All	Mouse
ADAMS/Engine Base	All	Please see ADAMS/View requirements
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
ADAMS/Engine Accessory Drive	All	Please see ADAMS/View requirements
ADAMS/Engine Basic Cranktrain	All	Please see ADAMS/View requirements
ADAMS/Engine Advanced Cranktrain	All	Please see ADAMS/View requirements
ADAMS/Engine Gear	All	Please see ADAMS/View requirements
ADAMS/Aircraft Landing Gear	All	Please see ADAMS/View requirements
ADAMS/Driver	All	N/A
ADAMS/Tire Handling	All	N/A
ADAMS/Tire FTire	All	N/A
ADAMS/Tire 3D Contact	All	N/A
ADAMS/3D Road	All	N/A
ADAMS/Tire SWIFT	All	N/A
ADAMS/Tire Motorcycle Data Lib	All	N/A
ADAMS/Tire Pass. Car Data Lib	All	N/A
ADAMS/Tire Light Truck Data Lib	All	N/A
ADAMS/EDM	All	N/A
MECHANISM/Pro Iface Only 2001	Only 32-bit Pro/Engineer is supported on HP at this time.	Mouse. Please see your Pro/Engineer requirements.
ADAMS/Animation	All	Mouse, fx5 or fx10 graphics adapter recommended

Hardware/Software Specifications

Memory Requirements: (MBytes)	Minimum	256.0
	Recommended	512.0
Disk Space Requirements: (MBytes)	ADAMS/Chassis	94.0
	MECHANISM/Pro Iface Only 2001	38.0
	ADAMS/Animation	61.0
	ADAMS/Flex	26.0
	ADAMS/Controls	3.0
	ADAMS/Car	71.0
	ADAMS/Solver Task	2.0
	ADAMS/View	27.0
	ADAMS/Rail	24.0
	ADAMS/Insight	3.0
	ADAMS/PostProcessor	9.0
	ADAMS/Hydraulics	6.0
	ADAMS Model Database SDK	6.0
	ADAMS/Vibration	3.0
	ADAMS/Durability	10.0
	ADAMS/AutoFlex	4.0
	ADAMS/Driveline	8.0
ADAMS/Aircraft Landing Gear	42.0	
ADAMS/Engine Base	64.0	
Miscellaneous	270.0	
	Total	771.0

General Hardware Requirements:

- Swap Space: 512 Mbytes
maxssiz is a kernel parameter modified through SAM.
- Distribution Media: CD-ROM
- Terminal: HP monitor
- Mouse: Required for graphics in all products
- Postscript printer required for hard copies in
- ADAMS/View, ADAMS/Car, ADAMS/Engine, ADAMS/Rail require the following HP-UX configurable kernel 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
- ADAMS Requires the following HP Patches:
 - PHSS_22543

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_24303, PHSS_24627, PHS_22543, PHSS_20853,
PHSS_21800, PHSS_21813, PHSS_21814, PHSS_22653, PHSS_22946

MatrixX v7 is supported with ADAMS/Controls on HP-UX 11.0