



Altair HyperWorks 14.0.120/220

Platform Support

Version: 1.0

The following table lists the platforms, operating systems, and processors supported by Altair HyperWorks 14.0.120. This includes 14.0.220 solver packages.

Platforms			Altair HyperWorks 14.0.120/220	
OS	Version	Architecture	GUI Products	Solvers
Windows	7/8.1/10	x86_64	YES	YES
	Server 2008 (R2/HPC)	x86_64	NO	YES
Linux**	RHEL and CentOS 5.9/6.6 SLES 11 SP3	x86_64	YES	YES
Mac OS X*	10.9	x86_64	NO*	YES

SLES=SUSE Linux Enterprise Server
RHEL=Red Hat Enterprise Linux

Products Included in HyperWorks Suite

1. HyperWorks Desktop Applications
2. HyperWorks Solvers
3. AcuSolve (Windows and Linux only)
4. Virtual Wind Tunnel (Windows only)
5. SolidThinking (Windows and Mac OS X only)
6. SimLab (Windows and Linux only)
7. FEKO (Windows and Linux only)
8. HyperXtrude (Windows only)

Added Platforms in HyperWorks 14.0.120/220

1. CentOS 5.9 and 6.6 64-bit (x86_64) official support

Compiler Support for HyperWorks 14.0.120

1. On Windows: Visual Studio 2010 Service Pack 1 (10.0.40219.1 SP1Rel)
2. On Linux: GCC version 4.7.2 20121015 (Red Hat 4.7.2-5) (GCC)
3. On Mac OS X: clang version 3.1 (tags/Apple/clang-318.0.58) (based on LLVM 3.1svn)

**Check system requirements for Linux package details

HyperWorks 14.0.120 may install and run on other non-supported Linux distributions but Altair does not test, certify, verify or warrant the reliability of the products on these platforms.

- a) Altair products are tested on the KDE and Gnome window managers.
- b) Xen kernels are currently not supported kernels for Altair HyperWorks 14.0.120 applications.

***HyperWorks 14.0.120 is not officially supported or tested on Mac OS X**

a) Customers can request for non-certified/unsupported installers from their local support office, if needed

***HyperWorks 14.0.120 Mac OS X Product Support Table:**

Unsupported HyperWorks products/features		Unsupported third party CAD formats	Unsupported third party readers
- HyperCrash - HvTrans (batch) - HyperView results math feature - AcuSolve	- HyperXtrude Solver - Process Manager/Studio - Auto Process under Manufacturing Solutions profile - MBDTire (MotionView)	- HyperMesh UG import via native reader - HyperMesh JT export	- Abaqus ODB - Femzip (PamCrash/Dyna) - PamCrash HDF5 - Nastran XDB

HyperWorks Solvers: will only support SMP computations on the Mac OS X
Please reference the install guide for how to setup a license on Mac OS X 10.9.

Minimum Operating System Requirements Table

System/Hardware Information	Linux	Mac OS X	Windows
Operating Systems	RHEL/CentOS 5.9 (64-bit) RHEL/CentOS 6.6 (64-bit) SLES 11 SP3 (64-bit)	Mac OS X 10.9 (64-bit) XQuartz 2.7.7 or higher	7/8.1/10 (64-bit) Server 2008 R2 (64-bit) for solvers only
Memory	4 GB (higher recommended)	4 GB (higher recommended)	4 GB (higher recommended)
Complete Install Disk Space ~6 GB temporary disk space required for full HyperWorks 14.0.120 install. (Applications + Help Files).	Linux 64-bit -> 20 GB TAR package required for installation to extract files on Linux.	Mac OS X -> 11 GB Java is required on the system for the installer to run	Windows 64-bit -> 27 GB
Graphics Hardware	OpenGL 3D graphics accelerator compatible with OpenGL 3.2 or higher True color (24-bit) support Install/update to most recent OpenGL patches/drivers 1680x1050 screen resolution or higher for optimal user experience 1 GB or higher dedicated RAM *Only AMD and NVIDIA GPUs supported (Intel chipsets are not supported)	OpenGL 3D graphics accelerator compatible with OpenGL 3.2 or higher True color (24-bit) support Install/update to most recent OpenGL patches/drivers 1680x1050 screen resolution or higher for optimal user experience 1 GB or higher dedicated RAM *Only AMD and NVIDIA GPUs supported (Intel chipsets are not supported)	OpenGL 3D graphics accelerator compatible with OpenGL 3.2 or higher True color (24-bit) support Install/update to most recent OpenGL patches/drivers 1680x1050 screen resolution or higher for optimal user experience 1 GB or higher dedicated RAM *Only AMD and NVIDIA GPUs supported (Intel chipsets are not supported)
*Browsers/Online Help (plug-in)	Firefox NOTE: Java Plug-in required	Safari Firefox NOTE: Java Plug-in required	Firefox Internet Explorer 8 (or higher) ActiveX Plug-in required **Does not support "Protected Mode" under Internet Explorer

***NOTE:** Local help installations may require modifying the browser to allow running active content from the hard disk. For search capability, the users should have a browser supporting either ActiveX (IE on Windows) or Java Environment plugin installed on their machine. For details of Java plugin for Linux, reference the information in the following link:

http://www.java.com/en/download/help/linux_install.xml

****NOTE:** HyperWorks Graphical User Interface (GUI) products (HyperMesh, HyperView, HyperGraph, MotionView, etc), when used with Ultra High Definition (UHD) displays consisting of 1920x1200 or higher (for example, 3200x1800, 3840x2160 or 4096x2160), may result in graphical problems. Some GUI items may not be displayed correctly, some functionality such as image captures may not capture images correctly, and window selection may become an issue. HyperWorks 14.0.120 does not officially support these high screen resolutions. We suggest setting your resolution to 1920x1200 or lower to resolve or minimize these types of issues from occurring. Our development teams are aware of these problems and are working closely with the hardware vendors to find a quick resolution to the issue.

Linux System Requirements

This table includes the 32-bit and 64-bit packages needed for running HyperWorks on a 64-bit RedHat Enterprise Linux operating system. (Please use equivalent packages on SUSE Linux Enterprise Server)

32-bit (compatibility)	64-bit (native)	
glibc-2.5-107	glibc-2.5-107	libgomp-4.4.7-1
libgcc-4.1.2-54	e2fsprogs-libs-1.39-35	libstdc++-4.1.2-54
libICE-1.0.1-2.1	expat-1.95.8-11	compat-libf2c-34-3.4.6-4.1
libSM-1.0.1-3.1	libgcc-4.1.2-54	libxml2-2.6.26-2.1.15
libXt-1.0.2-3.2	mesa-libGL-6.5.1-7.10	libXcursor-1.1.7-1.2
libstdc++-4.1.2-54	mesa-libGLU-6.5.1-7.10	libXfixes-4.0.1-2.1
	libICE-1.0.1-2.1	libXinerama-1.0.1-2.1
	libSM-1.0.1-3.1	libXrandr-1.1.1-3.3
	libX11-1.0.3-11	atk-1.12.2-1
	libXau-1.0.1-3.1	cairo-1.2.4-5
	libXdmcp-1.0.1-2.1	gtk2-2.10.4-29
	libXext-1.0.1-2.1	libjpeg-6b-37
	libXft-2.1.10-1.1	lcms-1.18-0.1
	libXi-1.0.1-4	libmng-1.0.9-5.1
	libXmu-1.0.2-5	pango-1.14.9-8
	libXrender-0.9.1-3.1	libpng-1.2.10-17
	libXScrnSaver-1.1.0-3.1	qt-3.3.6-26
	libXt-1.0.2-3.2	bash-3.2-32
	libXtst-1.0.1-3.1	elfutils-libs-0.137-3
	libXxf86vm-1.0.1-3.1	elfutils-libelf-0.137-3
	bzip2-libs-1.0.3-6	xorg-x11-server-Xvfb-1.1.1-48.100
	libdrm-2.0.2-1.1	xorg-x11-server-Xorg-1.1.1-48.100
	fontconfig-2.4.1-7	xorg-x11-server-Xnest-1.1.1-48.100
	freetype-2.2.1-31	xorg-x11-server-utils-7.1-5

There maybe other relevant packages like Fonts, and X11 packages needed. Below are the Fonts needed for HyperWorks Fonts - Scalable fonts also required for the following font types:

Helvetica, Times, New Century SchoolBook, B&H Luxi Sans/Serif, Typeface, Bitstream Vera Sans/Serif, ISO8859-1 (75dpi/100dpi), TrueType and Utopia.

Mac OS X System Requirements

The below list is the minimum requirement for

Kernel version: Darwin 13.4.0

OS X version: 10.9.5 (Mavericks)

XQuartz 2.7.7

NOTE: XQuartz replaces the legacy X11 Apple bundle. If running Mavericks 10.9.5 or higher the version 2.7.7 of XQuartz is the minimum version that should be used.