

Altair Simulation

2021.1

Platform Support

Platforms, operating systems, and processors supported by Altair Simulation 2021.1 products, which includes 2021.1 solver packages.

Platforms			Altair Simulation 2021.1	
OS	Version	Architecture	GUI Products	Solvers
Windows	10	x86_64	YES	YES
Linux	RHEL / CentOS 8.2 SLES 15 SP1	x86_64	YES	YES

Windows Ultra High Definition (UHD/HiDPI) support requires Windows 10 Update 1709 or higher

RHEL= Red Hat Enterprise Linux

SLES = SUSE Linux Enterprise Server

Linux

Altair Simulation products may install and run on other non-supported Linux distributions not mentioned or referred to in this documentation, but Altair does not test, certify, verify or warrant the reliability of the products on these platforms.

- Altair™ products are tested on Gnome Desktop Manager (GDM)
- Xen kernels are currently not supported kernels for Altair Simulation products
- VirtualGL and other third-party remote visualization tools are not officially supported by Altair Simulation products

Ultra High Definition (UHD)

- UHD resolution support (2160p) is only available for Windows 10 (1709 or higher).
 - Using Windows 200% scaling for 2160p is recommended.
- Windows 7 is not officially supported under UHD settings. Resolutions of 1080p for FHD and 2160p are recommended for UHD displays. Some JAVA based tools within Altair Simulation products may still show issues on UHD displays.

Altair Simulation Products

1. Altair HyperWorks Desktop™ Applications
2. Altair SimLab™

3. Altair Feko™
 - Altair Feko™ Applications
 - Altair newFASANT™
 - Altair WinProp™
 4. Altair Flux™
 5. Altair Solvers™
 - Altair OptiStruct™
 - Altair Radioss™
 - Altair MotionSolve™
 - Altair HyperXtrude™
 - Altair Manufacturing Solver™
 - Altair Multiscale Designer™
 - Altair Seam™
 6. Altair CFD Solvers™
 - Altair AcuSolve
 - Altair ultraFluidX™ (Linux only)
 - Altair nanoFluidX™ (Linux only)
 7. Altair Virtual Wind Tunnel for ultraFluidX™
 8. Altair Activate™
 9. Altair Compose™
 10. Altair EDEM™
 11. Altair Inspire™ (Windows only)
 12. Altair Inspire Cast™ (Windows only)
 13. Altair Inspire Extrude™ (Windows only)
 - Altair Inspire Extrude Metal
 - Altair Inspire Extrude Polymer
 - Altair Inspire Friction Stir Welding
 - Altair Inspire Resin Transfer Molding
 14. Altair Inspire Form™ (Windows only)
 15. Altair Inspire Mold™ (Windows only)
 16. Altair Inspire PolyFoam™
 17. Altair Inspire Render™ (Windows only)
 18. Altair Inspire Studio™
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Platforms Added in Altair Simulation 2021.1

1. SUSE Linux Enterprise Server 15 SP1 64-bit
 2. Red Hat Enterprise Linux/CentOS 8.2 64-bit
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Platforms Dropped in Altair Simulation 2021.1

1. SUSE Linux Enterprise Server 12 SP4 64-bit
2. Red Hat Enterprise Linux/CentOS 7.4 64-bit
3. Windows 7 64-bit

Minimum Operating System Requirements

Table 1.

System/Hardware Information	Linux		Windows	
Operating Systems	RHEL/CentOS 8.2 (64-bit) SLES 15 SP1 (64-bit)		10 (64-bit)	
Memory	4 GB (higher recommended)		4 GB (higher recommended)	
Complete Install Disk Space ~8 GB temporary disk space required for full Altair Simulation 2021.1 installation	Applications 78 GB	Help 13 GB	Applications 120 GB	Help 13 GB
Graphics Hardware ^[2]	OpenGL 3D graphics accelerator compatible with OpenGL 3.2 or higher OpenCL 2.1 required True color (24-bit) support Install/update to most recent OpenGL patches/drivers 1680x1050 screen resolution or higher for optimal user experience 2 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 OpenCL 2.1 required True color (24-bit) support Install/update to most recent OpenGL patches/drivers 1680x1050 screen resolution or higher for optimal user experience 2 GB or higher dedicated RAM Only AMD and NVIDIA GPUs supported (Intel chipsets are not supported)	

Linux System Requirements

Run the HyperWorks compatibility tool to validate your Linux compatibility with Altair Simulation products located under the `<INSTALL_PATH>/altair/hwdesktop/utility/HWCompatibilityTool/` folder.

1. 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.
2. Altair Simulation Graphical User Interface (GUI) products, 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. Altair Simulation 2021.1 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.