



ALTAIR

ONLY FORWARD

Altair HyperWorks 2023

Platform Support

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Altair HyperWorks®, a Design & Simulation Platform

Altair® AcuSolve® ©1997-2023

Altair® Activate® ©1989-2023

Altair® Automated Reporting Director™ ©2008-2022

Altair® Battery Designer™ ©2019-2023

Altair® CFD™ ©1990-2023

Altair® Compose® ©2007-2023

Altair® ConnectMe™ ©2014-2023

Altair® DesignAI™ ©2022-2023

Altair® EDEM™ ©2005-2023

Altair® EEvision™ ©2018-2023

Altair® ElectroFlo™ ©1992-2023

Altair® Embed® ©1989-2023

Altair® Embed® SE ©1989-2023

Altair® Embed®/Digital Power Designer ©2012-2023

Altair® Embed® Viewer ©1996-2023

Altair® e-Motor Director™ ©2019-2023

Altair® ESAComp® ©1992-2023

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Altair® Feko® ©1999-2023

Altair® Flow Simulator™ ©2016-2023

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Altair® FluxMotor® ©2017-2023
Altair® GateVision PRO™ ©2002-2023
Altair® Geomechanics Director™ ©2011-2022
Altair® HyperCrash® ©2001-2023
Altair® HyperGraph® ©1995-2023
Altair® HyperLife® ©1990-2023
Altair® HyperMesh® ©1990-2023
Altair® HyperSpice™ ©2017-2023
Altair® HyperStudy® ©1999-2023
Altair® HyperView® ©1999-2023
Altair® HyperViewPlayer® ©2022-2023
Altair® HyperWorks® ©1990-2023
Altair® HyperMesh® CFD ©1990-2023
Altair® HyperWorks® Design Explorer ©1990-2023
Altair® HyperMesh® NVH ©1990-2023
Altair® HyperXtrude® ©1999-2023
Altair® Impact Simulation Director™ ©2010-2022
Altair® Inspire™ ©2009-2023
Altair® Inspire™ Cast ©2011-2023
Altair® Inspire™ Extrude Metal ©1996-2023
Altair® Inspire™ Extrude Polymer ©1996-2023
Altair® Inspire™ Form ©1998-2023
Altair® Inspire™ Mold ©2009-2023
Altair® Inspire™ PolyFoam ©2009-2023
Altair® Inspire™ Print3D ©2021-2023
Altair® Inspire™ Render ©1993-2023
Altair® Inspire™ Studio ©1993-2023
Altair® Material Data Center™ ©2019-2023
Altair® Model Mesher Director™ ©2010-2023
Altair® MotionSolve® ©2002-2023
Altair® MotionView® ©1993-2023
Altair® Multi-Disciplinary Optimization Director™ ©2012-2023

Altair® Multiscale Designer® ©2011-2023
Altair® newFASANT™ ©2010-2020
Altair® nanoFluidX® ©2013-2023
Altair® NVH Director™ ©2010-2023
Altair® NVH Full Vehicle™ ©2022-2023
Altair® NVH Standard™ ©2022-2023
Altair® OptiStruct® ©1996-2023
Altair® physicsAI™ ©2021-2023
Altair® PolIEx™ ©2003-2023
Altair® PSIM™ ©2022-2023
Altair® Pulse™ ©2020-2023
Altair® Radioss® ©1986-2023
Altair® romAI™ ©2022-2023
Altair® RTLvision PRO™ ©2002-2023
Altair® S-CALC™ ©1995-2023
Altair® S-CONCRETE™ ©1995-2023
Altair® S-FRAME® ©1995-2023
Altair® S-FOUNDATION™ ©1995-2023
Altair® S-LINE™ ©1995-2023
Altair® S-PAD™ ©1995-2023
Altair® S-STEEL™ ©1995-2023
Altair® S-TIMBER™ ©1995-2023
Altair® S-VIEW™ ©1995-2023
Altair® SEAM® ©1985-2023
Altair® shapeAI™ ©2021-2023
Altair® signalAI™ ©2020-2023
Altair® SimLab® ©2004-2023
Altair® SimLab® ST ©2019-2023
Altair® SimSolid® ©2015-2023
Altair® SpiceVision PRO™ ©2002-2023
Altair® Squeak and Rattle Director™ ©2012-2023
Altair® StarVision PRO™ ©2002-2023
Altair® Structural Office™ ©2022-2023

Altair® Sulis™ ©2018-2023

Altair® ultraFluidX® ©2010-2023

Altair® Virtual Gauge Director™ ©2012-2023

Altair® Virtual Wind Tunnel™ ©2012-2023

Altair® Weight Analytics™ ©2013-2023

Altair® Weld Certification Director™ ©2014-2023

Altair® WinProp™ ©2000-2023

Altair® WRAP™ ©1998-2023

Altair HPCWorks®, a HPC & Cloud Platform

Altair® Allocator™ ©1995-2023

Altair® Access™ ©2008-2023

Altair® Accelerator™ ©1995-2023

Altair® Accelerator™ Plus ©1995-2023

Altair® Breeze™ ©2022-2023

Altair® Cassini™ ©2015-2023

Altair® Control™ ©2008-2023

Altair® Desktop Software Usage Analytics™ (DSUA) ©2022-2023

Altair® FlowTracer™ ©1995-2023

Altair® Grid Engine® ©2001, 2011-2023

Altair® Hero™ ©1995-2023

Altair® Mistral™ ©2022-2023

Altair® Monitor™ ©1995-2023

Altair® NavOps® ©2022-2023

Altair® PBS Professional® ©1994-2023

Altair® PBS Works™ ©2022-2023

Altair® Software Asset Optimization (SAO) ©2007-2023

Altair® Unlimited™ ©2022-2023

Altair® Unlimited Data Analytics Appliance™ ©2022-2023

Altair RapidMiner®, a Data Analytics & AI Platform

Altair® Analytics Workbench™ ©2002-2023

Altair® Knowledge Hub™ ©2017-2023

Altair® Knowledge Studio® ©1994-2023

Altair® Knowledge Studio® for Apache Spark ©1994-2023

Altair® Knowledge Seeker™ ©1994-2023

Altair® Monarch® Classic ©1996-2023

Altair® Monarch® Data Prep Studio ©2015-2023

Altair® Monarch Server™ ©1996-2023

Altair® Panopticon™ ©2004-2023

Altair® Panopticon™ BI ©2011-2023

Altair® SLC™ ©2002-2023

Altair® SLC Hub™ ©2002-2023

Altair® SmartWorks™ ©2002-2023

Altair® RapidMiner® ©2001-2023

Altair® RapidMiner® AI Hub ©2001-2023

Altair® RapidMiner® Cloud ©2001-2023

Altair® RapidMiner® Studio ©2001-2023

Altair One® ©1994-2023

Altair® License Utility™ © 2010-2023

2023

July 19, 2023

Technical Support

Altair provides comprehensive software support via web FAQs, tutorials, training classes, telephone, and e-mail.

Altair One

Altair One (<https://altairone.com/>) is Altair's customer portal giving you access to the Marketplace, the Community, Managed Licenses, Altair Drive, My Apps, and the Learning Center. We recommend that all users create an Altair One account and use it as their primary portal for everything Altair.

Altair Community

Visit the Altair Community (<https://community.altair.com/community>) where you can participate in forums, share insights, access knowledge base articles, and contact Support. Once you login to the Altair Community, subscribe to the forums and user groups to get up-to-date information about release updates, upcoming events, and questions asked by your fellow members.

These valuable resources help you discover, learn and grow, all while having the opportunity to network with fellow explorers like yourself.

Once your Altair One account is set up, use this link to access the Altair support page: www.altair.com/customer-support/

Altair Learning

Altair's in-person, online, and self-paced trainings provide hands-on introduction to our products, focusing on overall functionality. Trainings are conducted at our corporate and regional offices.

For more information visit: <https://learn.altair.com/>

If you are interested in training at your facility, contact your account manager or technical specialist for more details.

Telephone and E-mail

If you are unable to contact Altair support via the customer portal, you may reach out to technical support via phone or e-mail. Use the following table as a reference to locate the support office for your region.

Altair support portals are available 24x7 and our global support engineers are available during normal Altair business hours in your region.

When contacting Altair support, specify the product and version number you are using along with a detailed description of the problem. It is beneficial for the support engineer to know what type of workstation, operating system, RAM, and graphics board you have, so include that in your communication.

Location	Telephone	E-mail
Australia	+61 3 9866 5557	anzsupport@altair.com
Brazil	+55 113 884 0414	br_support@altair.com

Location	Telephone	E-mail
Canada	+1 416 447 6463	support@altairengineering.ca
China	+86 400 619 6186	support@altair.com.cn
France	+33 141 33 0992	francesupport@altair.com
Germany	+49 703 162 0822	hwsupport@altair.de
Greece	+30 231 047 3311	eesupport@altair.com
India	+91 806 629 4500	support@india.altair.com
Israel		israelsupport@altair.com
Italy	+39 800 905 595	support@altairengineering.it
Japan	+81 3 6225 5830	jp-support@altair.com
Malaysia	+60 32 742 7890	aseansupport@altair.com
Mexico	+52 55 5658 6808	mx-support@altair.com
New Zealand	+64 9 413 7981	anzsupport@altair.com
South Africa	+27 21 831 1500	support@altair.co.za
South Korea	+82 704 050 9200	support@altair.co.kr
Spain	+34 910 810 080	support-spain@altair.com
Sweden	+46 46 460 2828	support@altair.se
United Kingdom	+44 192 646 8600	support@uk.altair.com
United Kingdom/Data Analytics	+44 (0) 8081 892481 +44 203 868 0230	dasupport@altair.com
United States	+1 248 614 2425	hwsupport@altair.com
United States/Data Analytics	+1-800-988-4739 +1 978.275.8350	dasupport@altair.com

If your company is being serviced by an Altair partner, you can find that information on our web site at <https://www.altair.com/PartnerSearch/>.

See www.altair.com for complete information on Altair, our team, and our products.

Platforms, operating systems, and processors supported by Altair HyperWorks 2023 products, which includes 2023 solver packages.

This chapter covers the following:

- [Altair HyperWorks Products](#) (p. 12)
- [Platforms Added in Altair HyperWorks 2023](#) (p. 14)
- [Platforms Dropped in Altair HyperWorks 2023](#) (p. 15)
- [Minimum Operating System Requirements](#) (p. 16)
- [Linux System Requirements](#) (p. 18)

Platforms			Altair HyperWorks 2023	
OS	Version	Architecture	GUI Products	Solvers
Windows	10	x86_64	YES	YES
Windows	11	x86_64	YES	YES
Linux	RHEL / Oracle Linux 8.4 SLES 15 SP3	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 HyperWorks 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 HyperWorks products
- VirtualGL and other third-party remote visualization tools are not officially supported by Altair HyperWorks 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.

- Our recommended HD setting is 1080p for FHD and our Ultra HD setting is 2160p.
- Java based tools within our products may still show some scaling issues under Ultra HD resolution.

Refer to the [Hardware Recommendations and Certifications](#) section for details.

Refer to the [Hardware Recommendations](#) section for details.

Refer to the [Hardware Recommendations and Certifications](#) topic for details.

Altair HyperWorks Products

1. Altair® HyperMesh®
2. Altair® HyperView®
3. Altair® HyperGraph®
4. Altair® MotionView®
5. BatchMesher
6. Altair® HyperCrash®
7. Altair® HyperLife®
8. Altair® HyperMesh® CFD
9. Altair® HyperMesh® NVH
10. Altair® HyperStudy®
11. Altair® HyperView Player®
12. Altair® SimLab®
13. Altair SimSolid® (Windows only)
14. Altair® Feko®
 - Altair® Feko® Applications
 - Altair® newFASANT™
 - Altair® WinProp™
15. Altair® Flux®
16. Altair® Solvers™
 - Altair® OptiStruct®
 - Altair® Radioss®
 - Altair® MotionSolve®
 - Altair® HyperXtrude®
 - Altair® Manufacturing Solver™
 - Altair® Multiscale Designer®
 - Altair® Seam®
17. Altair® CFD Solvers™
 - Altair® AcuSolve®
 - Altair® ultraFluidX® (Linux only)
 - Altair® nanoFluidX®
18. Altair® Twin Activate®
19. Altair® Compose®
20. Altair® EDEM™
21. Altair® Inspire™ (Windows only)
22. Altair® Inspire Cast™ (Windows only)
23. Altair® Inspire Extrude™ (Windows only)

- Altair® Inspire™ Extrude Metal
- Altair® Inspire™ Extrude Polymer
- Altair® Inspire™ Friction Stir Welding
- Altair® Inspire™ Resin Transfer Molding

24. Altair® Inspire Form™ (Windows only)

25. Altair® Inspire™ Mold (Windows only)

26. Altair® Inspire™ PolyFoam (Windows only)

27. Altair® Inspire Render™ (Windows only)

28. Altair® Inspire Studio™ (Windows only)

Platforms Added in Altair HyperWorks 2023

1. Windows 11 (64-bit).
2. SUSE Linux Enterprise Server 15 SP3
3. Red Hat Enterprise Linux 8.4/Oracle Linux 8.4

Platforms Dropped in Altair HyperWorks 2023

1. SUSE Linux Enterprise Server 15 SP2
2. Red Hat Enterprise Linux 8.3/CentOS 8.3

Minimum Operating System Requirements

Table 1:

System/Hardware Information	Linux		Windows	
Operating Systems	RHEL 8.4 (64-bit) Oracle Linux 8.4 (64-bit) SLES 15 SP3 (64-bit)		10 (64-bit) 11 (64-bit)	
Memory	16 GB (higher recommended)		16 GB (higher recommended)	
Complete Install Disk Space ~8 GB temporary disk space required for full Altair HyperWorks 2023 installation	Applications 72 GB	Help 12 GB	Applications 110 GB	Help 12 GB
Graphics Hardware ²	OpenGL 3D graphics accelerator compatible with OpenGL 3.3 or higher Vulkan 1.2 or higher OpenCL 2.1 required True color (24-bit) support Install/update to most recent OpenGL patches/drivers 1920x1080 screen resolution or higher for optimal user experience 4 GB or higher dedicated RAM Only dedicated NVIDIA GPUs are supported (AMD, Intel® Arc™ and Integrated onboard Intel chipsets are not supported)		OpenGL 3D graphics accelerator compatible with OpenGL 3.3 or higher Vulkan 1.2 or higher OpenCL 2.1 required True color (24-bit) support Install/update to most recent OpenGL patches/drivers 1920x1080 screen resolution or higher for optimal user experience 4 GB or higher dedicated RAM Only dedicated AMD, Intel® Arc™ and NVIDIA GPUs are supported (Integrated onboard Intel chipsets are not supported)	

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 HyperWorks 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 HyperWorks 2023 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.
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Linux System Requirements

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