HyperWorks Unlimited™ Physical Appliance

A fully managed HPC appliance for CAE

The HyperWorks Unlimited Physical Appliance is a **fully configured** high-performance computing (HPC) appliance specifically designed to manage and solve today's advanced computer-aided engineering (CAE) workload demands. Completely managed by Altair, this appliance creates an **instant, secure private cloud environment** allowing unlimited use of Altair's entire HyperWorks® CAE software suite. Delivered as a **leased turnkey system**, the HyperWorks Unlimited Physical Appliance is value priced for small and medium-sized businesses just beginning with CAE as well as larger enterprises looking to **cost-effectively scale** to support growing CAE demands.

Why HyperWorks Unlimited Physical Appliance?

- **Develop superior products faster:** Explore concepts and the solution space more deeply, decrease CAE cycle times, and make faster decisions with confidence to improve quality, reliability and profitability.

- **Simplify IT administration:** Reduce the time and effort to take advantage of HPC with a pre-configured solution that's easy to install and manage.

- **Gain competitive advantage:** Get unlimited access to industry leading simulation and optimization technology, backed by Altair's global know-how and domain expertise in CAE and HPC.

Key Features and Benefits

- **Infinite exploration:** Includes unlimited HyperWorks Units for usage within the appliance, for massive virtual exploration.

- **A single vendor:** Altair fully supports the appliance (hardware and software) from deployment to ongoing maintenance and support throughout the contract period.

- **Innovative pricing model:** Conveniently leased to customers, shifting HPC investments from capital expense (CapEx) to operational expense (OpEx).

- **Fully integrated, plug-and-simulate HPC cluster:** Delivered as a turnkey system, loaded with Altair's HyperWorks applications plus PBS Works for workload management — for simplified deployment. Installation takes hours vs. days or weeks.

- **Third party solver support:** Open architecture allows for third party solvers to be fully integrated for a monthly fee on a BYOL (bring your own license) model.

- **HPC expertise:** Only Altair delivers both HPC workload management AND simulations applications - nobody understands the needs of HPC users better.

Intel® Cluster Ready

(intel®)

Highlights

- Pre-configured and ready to use
- Highly scalable
- Simplified IT administration
- Unlimited use of all HyperWorks applications
- PBS Professional for workload management
- Full global support by Altair

"This is the way HPC should be for all CAE engineers – this simple, this powerful, this reliable."

Stanley Black & Decker

"It's an incredible product that gives our engineers access to all the software they need, fully configured and ready to use."

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Who Needs HyperWorks Unlimited Physical Appliance?

HyperWorks Unlimited Physical Appliance is an ideal solution for a wide range of companies:

- **Small and medium businesses** without large capital budgets or high performance computing expertise can gain an easy-to-use HPC system to begin infinite exploration of their designs, and design more competitively, in a matter of days.

- **Larger organizations** who need have engineers in distributed regional engineering centers but no local HPC compute resources or HPC support in those remote regions can quickly add new and additional capacity with local support.

- **Companies of all sizes** wanting to get up to speed quickly with HPC can roll in a fully supported physical appliance and get started in days.

- **Organizations that have been renting HPC design and simulation time,** limiting their design exploration capabilities, can access all the design, simulation, and HPC software of Altair HyperWorks and PBS Works—and utilize their own system any time at a competitive cost.

- **Engineering firms** ready to step up from a workstation can quickly scale their CAE capabilities to a purpose-built CAE HPC system that's easy to install and use.

Altair Cloud Solutions

Altair offers the following solutions to suite the needs of customers:

- **HyperWorks Unlimited Physical Appliance** is an on-premise, fully-configured private cloud for plug-and-play CAE.

- **HyperWorks Unlimited Virtual Appliance** is an off-premise virtual cloud, hosted in an AWS data center of your choice.

- **Simulation Cloud Suite** is a seamless solution to connect with PDM systems, access HPC resources and manage all CAE activities.

Learn more at **www.altair.com/cloud.**

△ Altair

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For more information about HyperWorks Unlimited, contact your Altair account manager or visit www.altair.com.

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