Most of the products in the **Altair Student Edition** bundle do not have any limitations, but for those that do, we've described them in this section.

The are NO model or problem size limitations for the following products:

- Inspire, Inspire Cast, Inspire Form, Inspire Extrude Metal, Inspire Extrude Polymer, Inspire Mold, Inspire Polyfoam, Inspire Render, Inspire Studio
- Twin Activate
- Compose
- Embed
- Esacomp
- Flux, FluxMotor
- Knowledge Studio
- Thea Render
- PollEx

General limitations for all products included in the Student Edtion

- The Student Edition can only be requested online
- The license is valid for 12 months but renewable until the student's degree work is completed.
- The Altair Student Edition may NOT be used for commercial purposes.
- The Student Edition is not available for banned countries: CUBA, SYRIA, IRAN, NORTH KOREA, and SUDAN or for students who are banned for other reasons and are included on US Government lists of banned parties.

HyperWorks Desktop Limitations

Solver Limitations

- OptiStruct Advanced Solutions – certain dynamics solutions like frequency response and transient, user materials etc. will show a license error while solving. This error can be ignored; results will be output correctly.
- License Error 9 and 6 are printed in the solver window, despite solving the file for both Radioss and OptiStruct. These errors can be ignored; results will be output correctly.
- OptiStruct Optimization is node-limited
    - Radioss; OptiStruct: 100,000 nodes
    - AcuSolve: 500,000 nodes
    - Radioss runs are restricted to 4 cores (-nt4)
    - Multibody dynamics models (MotionSolve): 200 bodies

- Solvers cannot be started from a command line (only from within the Analysis tool from within the Graphical User Interface)

Supported CAD Formats

- Import: IGES, SolidWorks and STEP
- Export: IGES, STEP

Pre-Processing

- HyperCrash export limited to 100,000 nodes
- HyperMesh Import / export: Radioss, OptiStruct limited to 100,000 nodes
- HyperMesh X (new interface) Solver Deck export in Unity requires extension to be added in file name (ex: abc.fem, abc.rad)

User profiles that are not supported

- Feko
- HyperXtrude
- HyperMold
- HyperWeld
- Non-Altair Solvers (for import and export although the interface format is in the file > open window)

Post-Processing

- HyperView Reads h3d files only with the maximum allowable model size of 100,000 nodes and only 1 page with up to 16 windows may be created
- MotionView reads graphics H3D files with the maximum allowable model size of 100,000 nodes

Platform Support

- Platforms: Windows 10 / 11
- Architecture: x86_64

FEKO Limitations

Model Elements

- Number of wires in CADFEKO: 100
- Number of faces in CADFEKO: 200
- Number of mesh wire segments: 2,500

- Number of mesh triangles: 25,000
- Number of tetrahedral volume elements: 250,000
- Number of voxel elements (FDTD): 500,000

Solution Specification

- Near-field observation points per request: 10,000
- Far-field observation directions per request: 20,000
- Number of frequency values: 20

Solution Metrics

- Main memory that can be allocated by FEKO kernel: 1 GB
- Number of processes for parallel FEKO version: 4
- Total run-time (wall-clock time) of FEKO kernel: 20 min
- Number of adaptive frequency sampling points: 101
- Number of simultaneously active excitations: 20
- Number of optimisation variables (degrees of freedom): 3
- Number of optimisation steps (iterations): 50
- Note: The FEKO Student Edition does not support geometry import and export filters. It will however allow the export of Parasolid geometry.

WinProp Module Limitations

Indoor

- Number of objects in database smaller than 501
- Number of transmitting antennas <=4

Urban

- Number of objects in database smaller than 2001
- Number of transmitting antennas <= 12

Combined Indoor / Urban

- Number of objects in database smaller than 2001 (same as urban limit)
- Number of transmitting antennas <= 4

Rural / Suburban

- Area smaller than 200 km2
- Number of buildings smaller than 501
- Number of transmitting antennas <=12

CoMan

- Number of objects in database smaller than 501
- Number of sensors/antennas <= 20

Altair SimLab Limitations

Supported CAD Formats

- Import: Parasolid, STEP, CATIA, Creo, NX, SolidWorks, Inventor, ACIS, AutoCAD, JT

Supported Solvers

- OptiStruct : 200,000 nodes
- AcuSolve : 200,000 nodes
- Radioss : 100,000 nodes
- Flux: 25,000 nodes in 2D & 100,000 nodes in 3D
- Molding: 100,000 nodes

Database

- Node count is limited to 200,000 nodes
- Import/open .slb files created in full version is not possible in the student edition
- Export of Solvers deck is not available
- Some of the advanced analysis types for OptiStruct are not available in the Sudent Edition
- Platforms: Windows 10 / 11
- Architecture: x86_64

Altair Monarch Limitations

- Activation is supported via the Altair License Management System licensing method only.
- Monarch Automation is not available.
- Only 10 rows can be exported in Monarch Classic and Data Prep Studio.

Altair EDEM Limitations

- 10,000 particle limit

- 2 x CPU max (no GPU)
- Disabled functionality on CFD Coupling Interface, MBD coupling interface, Heat Transfer Module, and Field Data Import.

Altair PSIM Limitations

- Altair PSIM Student Edition does not include Code Gen and Co-simulation features.

Altair S-FRAME Limitations

- Disabled functionality on member auto design by ICD