

Simpleware University Bundle Modules and Licensing Options

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The Synopsys University Software Program aims to inspire and foster the world's next generation of technologists and innovators by providing academic and research institutions with access to Simpleware tools and technology. These tools are essential in preparing highly-skilled graduates to work in the image-based analysis field.

To support this important research, we are offering 50 full licenses of the Simpleware University Bundle for just USD \$1,500 per year.

The software is provided as a Floating/Network license, so it can be accessed across the entire campus to enhance collaboration and teaching access. The only limitation is that these licenses must be used for academic research only whose results are published in peer-reviewed academic journals. They cannot be used for commercial purposes or for research funded by commercial companies.

Software Features

The Simpleware University Bundle is based on core image processing platform, Simpleware ScanIP, with additional add-on modules for automation, design and mesh generation.

IMAGE PROCESSING AND STL/SURFACE GENERATION

Simpleware ScanIP Software

Simpleware ScanIP provides an extensive selection of image visualization, measurement and processing tools for working with 3D and 4D image data. Segmented images can be exported as STL, surface meshes and point clouds to CAD packages, solvers and 3D printers.

AUTOMATE

Simpleware AS Ortho/CMF Module

Simpleware AS Ortho/CMF provides anatomy-specific, automated segmentation tools for orthopedic and cranio-maxillofacial data using Machine Learning (ML) algorithms.

CONNECT

Simpleware Design Link Module

Simpleware Design Link passes updates between SOLIDWORKS® and Simpleware ScanIP to speed up product development workflows.

AUTOMATE

Simpleware AS Cardio Module

Simpleware AS Cardio provides anatomy-specific, automated segmentation tools for CT data of the cardiovascular system using Machine Learning (ML) algorithms.

MESH

Simpleware FE Module

Simpleware FE generates volume and surface meshes from segmented image data, and can be used to define contact surfaces, boundary conditions and material properties.

Licensing Options

Synopsys is committed to providing high-quality software products on current computing platforms that are well-suited for engineering simulations. Simpleware software is fully supported on 64-bit Windows and Linux operating systems. All software products are licensed using FlexNet (FLEXlm), the industry standard software license manager from Flexera Software.

License Configurations

- **Floating/Network licensing:** the license is managed by a single PC or server, which provides licenses for up to 50 machines on the same local area network (LAN).
- **One-year or multi-year** lease of the software that comes with maintenance.

Maintenance

Maintenance is included with the software: Synopsys will provide you with access to online support. Maintenance also includes bug fixes, upgrades (minor and major) and allows licenses to be moved to another computer/server at no additional cost.

Supported Operating Systems (only 64-bit operating systems are supported)

Windows	Linux*
<ul style="list-style-type: none">• Windows 11• Windows 10• Windows Server 2016	<ul style="list-style-type: none">• RHEL 7.x and 8.x• CentOS 7.x and 8.x

*Simpleware Design Link is not available in the Linux operating system.

The license server tools are installed from the Synopsys Common Licensing software which provides support for both Windows and Linux platforms. Please visit the Synopsys Licensing webpage for further details: www.synopsys.com/support/licensing-installation-computeplatforms.html and contact us to discuss compatibility.

Recommended System Requirements

Operating System	Hardware
<ul style="list-style-type: none">• Windows 10• Windows Server 2016• RHEL 7.x*• CentOS 7.x* <p>Only 64-bit operating systems are supported.</p> <p>*Simpleware Design Link is not available in the Linux operating system.</p>	<ul style="list-style-type: none">• Processor: Intel Core i7 or equivalent• Memory (RAM): 16 GB or more**• Graphics card: OpenGL 3.2 compatible graphics card with 1024 MB VRAM***• Screen resolution: 1920 x 1080; True color (32bit) or more• Disk space: 100 GB <p>**As a guideline, allow twice as much RAM as your datasets size for volume rendering visualization and about 4 to 8 times for segmentation, surface mesh generation etc. The memory required depends heavily on the size and complexity of your image data and resultant model to be analyzed.</p> <p>***Simpleware AS Ortho/CMF and Simpleware AS Cardio require a CUDA-enabled NVIDIA graphics card with a minimum compute capability of 3.5 and a maximum of 8.x. In addition, a minimum of 4GB VRAM is required.</p>

Any Questions?

For more information on the Simpleware University Bundle, please contact univprogram@synopsys.com (for Americas inquiries) or MicroelectronicsCentre@stfc.ac.uk (for EMEA inquiries), and you will promptly receive all the details needed to get started right away.