



DIGITAL INDUSTRIES SOFTWARE

Solid Edge X

Unlock innovation on the cloud with Solid Edge X

Benefits

- Boosts product design efficiency
- Accelerates mechanical design processes
- Improved collaboration
- Simplified IT
- Secure built-in data management

Summary

Solid Edge® X software products are prepackaged software as a service (SaaS) solutions delivering the high-performance computer-aided design (CAD) capabilities of Solid Edge software with all the associated flexibility, security and scalability benefits of SaaS. Automatic updates and cloud-based data management is designed to reduced IT complexity and costs. Artificial Intelligence productivity assistance provides in-app product help, enabling you to quickly and easily find the information you're looking for, improving efficiency and empowering innovation.

Solid Edge X is based on the same Solid Edge architecture and leveraging the same data model, Siemens provides one Solid Edge – with one common user experience – with different deployment options available to meet your business needs. They offer competitively priced solutions tailored to specific product development roles, practices and processes in three performance tiers. Value-added upgrades are available to move customers from one tier to the next. Each package delivers complete capabilities for production work.

Solid Edge software, which is part of the Siemens Xcelerator part of the Siemens Xcelerator business platform of software, hardware and services, provides an innovative approach to product development for the mainstream market.

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Features

- Cloud centralized license management, configurations and updates
- Included secure data management with each seat of Solid Edge X
- End-to-end mechanical product design solutions with a rich set of supporting tools
- High-performance modeling, drafting and comprehensive assembly design powered by synchronous technology and Convergent modeling
- Comprehensive, preconfigured SaaS solutions tailored for the full range of product design applications
- Extendable with a selection of add-on application modules

The Solid Edge X Design Solutions are delivered via cloud SaaS named-user licensing. Token licensing exclusively extends and enhances these solutions. Traditional on-premises software is also available through Solid Edge Design Solutions.

Solid Edge X Standard, Advanced and Premium solutions include base-level data management and value-based licensing. Solid Edge X standard comes with part and assembly design, automated drawings, basic animation and rendering. It also includes all of the functionality of Solid Edge Design and Drafting, plus added sheet metal, frame and weldments, surface modeling and 2.5 axis milling. Solid Edge X Advanced includes features such as design for cost, reverse engineering, subdivision modeling and generative design. The final tier of Solid Edge X is the Premium tier. This tier includes all of the functionality of Solid Edge Classic, plus advanced motion and stress simulation, point cloud visualization and electrical routing.

Solid Edge tier pricing

Tier	Price
Solid Edge X Standard	\$261
Solid Edge X Advanced	\$312
Solid Edge X Premium	\$413

Solid Edge X capabilities

Tier	Solid Edge X Standard	Solid Edge X Advanced	Solid Edge X Premium
Design	Basic part design	Basic part design	Basic part design
	Parametric design	Parametric design	Parametric design
	Synchronous technology	Synchronous technology	Synchronous technology
	Data management	Data management	Data management
	Convergent mesh modeling	Convergent mesh modeling	Convergent mesh modeling
	Visualization tools	Visualization tools	Visualization tools
	Prep for additive manufacturing	Prep for additive manufacturing	Prep for additive manufacturing
	Sheet metal design	Sheet metal design	Sheet metal design
	Surface modeling	Surface modeling	Surface modeling
	Simulation for parts	Simulation for parts	Simulation for parts
		Subdividing modeling (advanced surfacing)	Subdividing modeling (advanced surfacing)
		Advanced photorealistic rendering	Advanced photorealistic rendering
		Standard parts libraries (nuts, bolts, etc.)	Standard parts libraries (nuts, bolts, etc.)
		Vendor catalogs integration (3DFindit.com)	Vendor catalogs integration (3DFindit.com)
		Adaptive UI	Adaptive UI
		Reverse engineering	Reverse engineering
		Solid Edge Simulation Express for part and sheet metal	Solid Edge Simulation Express for part and sheet metal

Solid Edge X capabilities

Tier	Solid Edge X Standard	Solid Edge X Advanced	Solid Edge X Premium
Assembly	Advanced part and assembly design	Advanced part and assembly design	Advanced part and assembly design
	Assembly management	Assembly management	Assembly management
	Motion simulation	Motion simulation	Motion simulation
	Interference checking	Interference checking	Interference checking
	Exploded views	Exploded views	Exploded views
	Frame and weldments	Frame and weldments	Frame and weldments
	Design configurator (basic)	Design configurator (basic)	Design configurator (basic)
		Dynamic visualization	Dynamic visualization
		Engineering reference (springs, CAMS, gears, etc.)	Engineering reference (springs, CAMS, gears, etc.)
		CAD Direct	CAD Direct
		Design for cost	Design for cost
		Secure cloud storage	Secure cloud storage
		Augmented reality	Augmented reality
	Integrated machinery library	Integrated machinery library	
Other key areas	Permission-based project sharing	Permission-based project sharing	Permission-based project sharing
	Instant access on any device	Instant access on any device	Instant access on any device
	500GB cloud storage	500GB cloud storage	500GB cloud storage
Included add-on functionalities			Generative design
			Pipe and tube design
			PCB collaboration
			Electrical routing
			Point cloud visualization
			Linear stress simulation (parts/assemblies)
			Advanced motion simulation
			Simulation optimization
		Model based definition	

**Advanced PMI available as subscription or VBL add-on.

What is Solid Edge X

Solid Edge X delivers the software that you know and love in a secure SaaS environment. Users can easily download and install the software onto any of their devices, delivering instant access both on and offline. This seamless access ensures users productivity by enabling them to work anytime from anywhere.

Solid Edge X also provides users with a simplified IT approach. Users no longer have to worry about updating their software because it is now done automatically for them. The simplified IT approach is done through centralized cloud license management, aiding in a lower cost of ownership. Solid Edge X is also connected to Solid Edge and other Siemens Xcelerator products by utilizing the same Solid Edge architecture and data model.

Value-based licensing

Value-based licensing allows users to utilize and explore a multitude of the Solid Edge portfolio products at a low cost. Solid Edge X works hand in hand with value-based licensing to provide users with the most flexible and seamless software experience. Instead of buying each individual product, you can mix and match as you need. Value based licensing includes Generative Design Pro, Point Cloud Visualization, Solid Edge Simulation Advanced and many others.



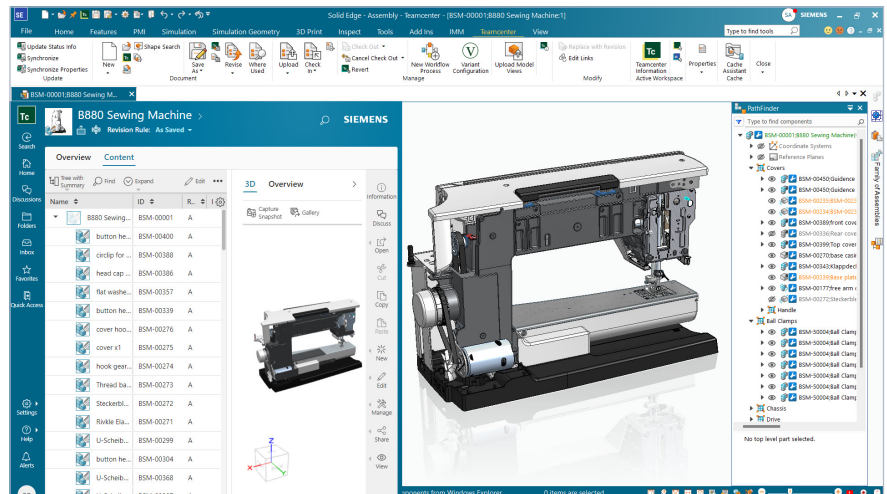
Flexibility

Companies are more globally distributed, causing more people to start working remotely. This creates a need for companies to provide their workers with flexible software that enables them to easily access design resources. Solid Edge X works online and offline, ensuring productivity even in the absence of an internet connection.



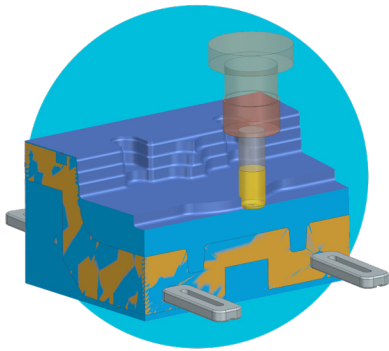
Secure data management and collaboration

Every seat of Solid Edge X includes data management, ensuring the security of your work. By having a secure data management system, users can now assign and complete tasks, create and manage revisions and more during collaborative processes.



Work across disciplines seamlessly

Solid Edge X is seamlessly integrated with a multitude of products in the Siemens Xcelerator portfolio. Built on the same architecture as Solid Edge, Solid Edge X works seamlessly with Zel X, NX CAM and Simcenter 3D, eliminating the concern over data being lost. This unified connection between products works to create an efficient product lifecycle.



Extending value

The Solid Edge portfolio is an integrated set of powerful, comprehensive and accessible tools that advance all aspects of the product development process. Solid Edge addresses today's complexity challenges with automated digital solutions that cultivate creativity and collaboration.

By harnessing the latest innovative technologies in mechanical and electrical design, simulation, manufacturing, publications, data management and cloud-based collaboration, using Solid Edge dramatically shortens time-to-market, provides greater production flexibility and significantly reduces costs with its collaborative and scalable solutions.

Minimum system requirements

Recommended system configuration

Solid Edge 2025 has been certified to run on the following:

- Windows 10 Enterprise or Professional (64-bit only), versions under active Microsoft support

OR

- Windows 11 Enterprise or Professional, versions under active Microsoft support
 - 10.0 GB of disk space required for installation (includes prerequisites)
 - 32 GB RAM or more
 - Microsoft Office 2021 and Microsoft Office 365 Business
 - True Color (32-bit) or 16 million colors (24-bit)
 - Screen resolution: 1920 x 1080
 - Video RAM: 2 GB
 - Modern and popular browsers like Google Chrome, Microsoft Edge and Mozilla Firefox

Minimum system configuration

Solid Edge 2025 has been certified to run on the following:

- Windows 10 Enterprise or Professional (64-bit only), versions under active Microsoft support

OR

- Windows 11 Enterprise or Professional, versions under active Microsoft support
 - 10.0 GB of disk space required for installation (includes prerequisites)
 - 16 GB RAM for commercial users and 8 GB RAM for academic users
 - 65K colors
 - Screen resolution: 1920 x 1080

Note:

- Microsoft Office 2019 is no longer supported
- Windows Home Edition is not supported
- We recommend that you do not run Solid Edge on server operating systems

Siemens Digital Industries Software [siemens.com/software](https://www.siemens.com/software)

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