



Overview

GstarCAD 2027





GstarCAD 2027 Overview

Faster by Core, Smarter by AI, Powered by Innovation

GstarCAD 2027 focuses on elevating the user experience by significantly optimizing performance for routine transformations—such as **Move, Mirror, Rotate, and Copy**—within complex 3D drawings. The update introduces several practical features, including **Dynamic Block Parametric Constraints** and **Automatic Input Method Switching**, designed to eliminate repetitive, low-efficiency tasks and unlock vast design potential. With a reconstructed command line, improved batch printing, and optimized hatch functions, the software aligns more closely with real-world business scenarios.

This allows designers to break free from tedious, repetitive, and error-prone base-level operations, enabling them to focus their mind and time on **creative design and engineering expression**.

Product Advantages

1. High Compatibility

Highly compatible with mainstream CAD file formats and operating habits, ensuring a **zero-threshold transition** for users. Seamless migration and reuse of drawing data help enterprises achieve significant cost reduction and efficiency gains.

2. Exceptional Performance

Leveraging advanced technology and optimized algorithms, GstarCAD 2027 delivers a **massive performance boost** in routine transformation operations—such as **Move, Mirror, Rotate, and Copy**—even within complex 3D drawings.

3. Flexible Licensing & Affordability

GstarCAD offers versatile licensing options, including **perpetual licenses**. You have the freedom to choose your preferred licensing model and decide exactly when you want to upgrade, ensuring a cost-effective solution tailored to your needs.

item	GstarCAD	AutoCAD
Stand-alone Serial Number	√	√
Network Serial Number	√	√
Stand-alone USB Dongle	√	×
Network USB Dongle	√	×
Perpetual License	√	×

Key Improvements in GstarCAD 2027

Functional Improvements

1. Performance Enhancement

GstarCAD 2027 has optimized its memory management and allocation mechanisms, taking overall software performance to the next level. Common operations in complex drawings—such as **Regen, Zoom/Pan, Select, Move, Mirror, Rotate, Copy, Undo, Redo, Explode, and Erase**—have seen performance gains of over **10%**. Notably, the speed of **closing drawings** has been improved by more than **8 times**.

2. Batch Print

When printing multiple documents, users can now set the print order and choose between **"Print by Page"** or **"Print by Set,"** making batch printing more intuitive and worry-free.

3. Cross-Application DWG Copy & Paste

Users can flexibly adjust the object format, paste range, and colors when copying and pasting between applications. This meets diverse drawing requirements and enhances overall design quality.

4. Support for Multiple Top-Level Windows

Drawing file tabs can now be dragged out of the main application window to create **floating windows**. This allows multiple drawing files to be displayed simultaneously without switching between tabs, facilitating easier comparison and copy-pasting between drawings.

5. Command Line Reconstruction

The command line has been completely upgraded. Users can freely drag the edges of the command line window to adjust width and height. It now supports selecting command branches via mouse clicks or hotkeys. Additionally, temporary prompts for individual commands are displayed above the command line, making interaction faster and more efficient.

6. Hatch Optimization

The Hatch function now includes a **"Use Current Drawing"** option, which extends the boundary search beyond the current viewport. By using the entire drawing as the hatch boundary, it effectively handles hatching for unclosed boundary geometries.

7. Full-Screen Exit Prompt

To prevent interruptions caused by accidentally entering full-screen mode via hotkeys,

a new **"Exit Full Screen"** prompt appears at the top of the interface, ensuring users know exactly how to return to the standard view.

8. Print Preview Improvements

The print preview module has undergone architecture-level optimization. The toolbar has been upgraded to a **modular integrated panel** that supports dragging, docking, and floating, aligning with platform interaction standards. This significantly shortens operation paths and reduces error rates.

9. Display Optimization

By increasing overall GPU utilization, the interactive experience under **Hardware Acceleration** has been significantly improved. This covers core scenarios like Opening/Saving, Display, Editing/Transformation (Move, Scale), Layers, and Blocks. Average performance has increased by **30%–80%**, with some complex drawing operations speeding up by over **90%**. Smooth-line rendering is now more refined and fluid.

New Features

- **Centerlines and Center Marks:** Quickly create and manage associative centerlines and marks for geometry.
- **Dynamic Block Parametric Constraints:** Apply parametric constraints within dynamic blocks to create more intelligent and flexible design components.