	GstarCAD 2024		NanoCAD 23.0
Files	Pro	Std	Pro
64-bit Support	✓	✓	✓
.dwg and .dxf for AutoCAD version 2.5 to 2018	✓	✓	✓
.pat,.shx,.lin and etc	✓	✓	✓
Password Protection	✓	✓	
File Recover and Audit	✓	✓	✓
Purge	✓	✓	✓
Etransmit	✓	✓	✓
Sheet Set manager	✓	✓	Partially
CAD Standard .dws	✓	✓	✓
Xrefs in-place Editing	✓	✓	✓
DWF Underlay	✓	✓	✓
PDF Underlay	✓	✓	✓
DGN Underlay	✓	✓	
DWG Convert	✓	✓	
Import WMF, SAT, 3DS, DWF, DWFX, DGN, PDF, SVG	✓	✓	Partially
Export to DWG, DWF, DWFX, WMF, EMF, SAT, STL, EPS, DXX, BMP, SVG	✓	✓	Partially
Plot and Publish to PDF	✓	✓	✓
Publish to DWF 2D & 3D	✓	✓	✓
Collaboration	✓	✓	
IFC Import	✓		✓
ACAD Tool Palettes Import Tool	✓	✓	
Single-document Mode	✓	✓	✓
Digital Signature	✓	✓	✓
Batch Digital Signing Tool	✓	✓	
Reset Settings to Default.	✓	✓	
DWF Import	✓	✓	✓
STEP/IGES Files	✓		✓
Interface	Pro	Std	Pro
Quick Properties	✓	✓	
Hidden Message Settings	✓	✓	
WorkSpace command	✓	✓	
Color Schemes	✓	✓	
CUI Menus and Toolbars	✓	✓	✓
CUI Import & Export	✓	✓	
Drag and Drop Customization	✓	✓	
Visual Menu Customization	✓	✓	
Ribbon / Classic	✓	✓	
Properties Palettes	✓	✓	✓
Design Center / Tool Palettes	✓	✓	TOOLPALETTES
Xref Palette	✓	✓	✓
Command Line	✓	✓	✓
Clean Screen	✓	✓	✓
Menu bar	✓	✓	
File Tab	✓	✓	✓
Selection, Snap & Track	Pro	Std	Pro
Navigation Cube	✓	✓	✓
SELECTIONCYCLING	✓	✓	✓
Right-Click + Drag Method	✓	✓	✓
Selection Preview	✓	✓	✓
Quick Select	✓	✓	✓
Select Similar	✓	✓	✓
Xtra Grips for Pline & Hatch Objects	✓	✓	✓

Osnap	✓	✓	✓
Grid and Snap	✓	✓	✓
Polar & OTrack	✓	✓	✓
Distance from Endpoint and Divide Segments options	✓	✓	
Multifunctional Grips	✓	✓	✓
Group	✓	✓	Different method
ADDSELECTED command	✓	✓	✓
Multiple command	✓	✓	
Customizable Mouse Actions in CUI	✓	✓	
Dimensions	**Pro**	**Std**	**Pro**
DIMCENTER Command	✓	✓	
Reassociate Dimension	✓	✓	✓
Rapid Distance	✓	✓	
Standard Dimensions	✓	✓	✓
Associative Dimension	✓	✓	✓
Quick Dimension	✓	✓	✓
Qleader	✓	✓	✓
Dimension Break	✓	✓	✓
Multileaders	✓	✓	✓
Dynamic Dimensions	✓	✓	✓
Text	**Pro**	**Std**	**Pro**
Mtext supports Numbering, Superscript, Subscrip......	✓	✓	✓
Text Align / Text Match	✓	✓	
Change Text	✓	✓	
Mtext	✓	✓	✓
Text	✓	✓	✓
Multi-language Character Set	✓	✓	
In-place Text Editor	✓	✓	✓
Mtext Editor	✓	✓	✓
Support .shx and .ttf font	✓	✓	✓
Spelling	✓	✓	✓
Check spelling in Mtext	✓	✓	
Fields	✓	✓	✓
Revcloud	✓	✓	✓
Wipeout circle option	✓	✓	
Rtext	✓	✓	
Arc Text	✓	✓	✓
Text Incremental Copy	✓	✓	
Text on line	✓	✓	
Statistics Summation	✓	✓	
Layers	**Pro**	**Std**	**Pro**
Auto Layer	✓	✓	
Change to ByLayer（SETBYLAYER）	✓	✓	
Layer Properties Manager	✓	✓	✓
Layer States Manager	✓	✓	✓
Layer Translator	✓	✓	
Layer Walk	✓	✓	✓
Layer Previous	✓	✓	✓
Layer Isolate	✓	✓	✓
Layer Unisolate	✓	✓	
Layer Lock	✓	✓	✓
Layer Unlock	✓	✓	✓
Layer Unlock All	✓	✓	
Lock Other Layers	✓	✓	
Layer Freeze	✓	✓	✓

Freeze Other Layer	✓	✓	
Thaw All Layers	✓	✓	✓
Layer Off	✓	✓	✓
Off Other Layer	✓	✓	
Trun All Layers On	✓	✓	✓
Layer Merge	✓	✓	✓
Layer Delete	✓	✓	✓
Layer Match	✓	✓	✓
Viewport Layer	✓	✓	✓
Hatch	Pro	Std	Pro
Hatch objects from Tool Palettes	✓	✓	✓
Gradient Hatches	✓	✓	✓
Custom Patterns	✓	✓	✓
Background and Line Color for Hatch Patterns	✓	✓	Partially
Trim/Extend of/to Hatch Pattern Entities	✓	✓	✓
Superhatch	✓	✓	
Transparency for Hatch	✓	✓	
Trim/Extend/Hatch preview	✓	✓	
Raster images	Pro	Std	Pro
Raster Image Support (Clipping, Transparency, ...)	✓	✓	
Support Kinds of Image Files (bmp\jpg\png\tga\tif\gif\pcx\ecw...	✓	✓	Not Support JPEG 2000
Express Tools	Pro	Std	Pro
Layout Merge	✓	✓	
Synchronize Viewports	✓	✓	
Breakpoint Check (CLOSELINE)	✓	✓	
Fast Select (FASTSEL command)	✓	✓	
Change Base	✓	✓	
Layer Draw Order	✓	✓	
Area Table	✓	✓	
Break Object	✓	✓	
Block Break	✓	✓	
Express Tools	Pro	Std	Pro
Graphic Compare	✓	✓	
Change Text	✓	✓	
Batpurge	✓	✓	
Layout by Path	✓	✓	
Line2pl	✓	✓	
Sptpl	✓	✓	
GstarCAD Tools	✓	✓	
Plot tools	✓	✓	
Drawing Compare	✓	✓	✓
Delete Duplicate Objects (OVERKILL)	✓	✓	
Drawing Lock	✓	✓	
Others	Pro	Std	Pro
Lisp Debugger	✓	✓	
CLIPIT Command	✓	✓	
Quick Edit Block Attribute Text	✓	✓	✓
System Variable Monitor	✓	✓	✓
Region	✓		✓
Dataextraction	✓	✓	
Make Shape	✓	✓	
Import Layout as Sheet in Layout	✓	✓	
Viewport Scale	✓	✓	
Attribute Increment（ATTINC）	✓	✓	
Define Layout Viewport from ModelSpace（M2LVPORT）	✓	✓	

Feature	Pro	Std	Pro
Security	✓	✓	
Free Scale	✓	✓	
Hatch to Back	✓	✓	
Reverse	✓	✓	✓
Synchronize Attributes (ATTSYNC)	✓	✓	✓
Clip	✓	✓	✓
Array Options	✓	✓	
Align Tool / Arrange Tool	✓	✓	
Areasum	✓	✓	
Table	✓	✓	✓
Symmetric Draw	✓	✓	
Outline Objects	✓	✓	
Invert Fillet	✓	✓	
Draw and Modify Commands	✓	✓	Partially
Offset Multiple	✓	✓	✓
Helix	✓	✓	✓
Real Time Pan & Zoom	✓	✓	✓
Annotative Objects	✓	✓	✓
Object Scales	✓	✓	
Redraw and Regeneration	✓	✓	✓
Layout and Paper Space	✓	✓	✓
Layout Viewport settings	✓	✓	
Magnifier	✓		
Barcode & QR Code	✓	✓	
Non-rectangular Viewports	✓	✓	
Shortcut Customization (CUSTACC)	✓	✓	
Match Properties Across Drawings	✓	✓	
Multilines and Multiline Styles	✓	✓	✓
Block Create and Insert	✓	✓	✓
Block Attribute Definition	✓	✓	✓
Redefine Block	✓	✓	✓
Refedit	✓	✓	✓
Hyperlink	✓	✓	✓
Scale List	✓	✓	✓
Dynamic Block Create/Insert/View/Edit	✓	Partially	Partially
Table Tools	✓	✓	
AutoXLSTable	✓	✓	
Pline Boolean	✓	✓	
Undo/Redo Preview	✓	✓	✓
Invert Xclip	✓	✓	
Table Formula	✓	✓	✓
Topoplan			✓
3D	**Pro**	**Std**	**Pro**
POLYSOLID	✓		
PLANESURF	✓		
SURFOFFSET	✓		
CONVTOMESH	✓		MESHSMOOTH
CONVTOSOLID	✓		✓
CONVTOSURFACE	✓		
CONVTONURBS	✓		
Point Cloud	✓	✓	✓
3D Edition Grips	✓		✓
Section Plane	✓		
Flatshot	✓		FSHOT
3D Surfaces	✓	✓	✓
ACIS Modeling & Editing	✓		✓

	Pro	Std	Pro
3D Orbit options	✓	✓	Partially
Render	✓		
Visual Styles Manager	✓		✓
Solid editing	✓		Partially
Solprof / Solview / Soldraw	✓		
3D Constraints			✓
Printing	**Pro**	**Std**	**Pro**
CTB & STB Plot Style Files	✓	✓	✓
Plot Styles Table Editor	✓	✓	✓
Built-in Print Driver	✓	✓	✓
Import & Editing of Page Setups	✓	✓	
Publish	✓	✓	✓
Hide and Shade Plot	✓	✓	Partially
Batch Print	✓	✓	
Arrange Frame	✓	✓	
Licensing	**Pro**	**Std**	**Pro**
Subscription	✓	✓	✓
Perpetual License	✓	✓	
Stand-alone USB dongle	✓	✓	
Network USB dongle	✓	✓	
Stand-alone License(Flexnet)	✓	✓	✓
Network License(Flexnet)	✓	✓	✓

REMARKS

This table is for reference only.

Empty space means functionally not supported.

The GstarCAD package that contains LT verison doesn't support BEDIT command.

Table comparison updated on Aug 1st 2023.