	GstarCAD 2021		ZWCAD 2021	
Files	Pro	Std	Pro	Std
32-bit / 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	✓	✓		
CAD Standard .dws	✓	✓		
Xrefs in-place Editing	✓	✓	✓	✓
DWF Underlay	✓	✓	✓	✓
PDF Underlay	✓	✓	✓	✓
DGN Import and Underlay	✓	✓	Only Import	Only Import
DWG Convert	✓	✓		
Import to WMF, SAT, 3DS, DWF, DGN	✓	✓	Partially	Partially
Export to DWG, DWF, DWFX, WMF, EMF, SAT, STL, EPS, DXX,	✓	✓	Partially	Partially
Plot and Publish to PDF	✓	✓	✓	✓
Publish to DWF 2D & 3D	✓	✓	✓	✓
Collaboration	✓	✓		
IFC format	✓	✓		
ACAD Tool Palettes Import Tool	✓	✓		
Interface	Pro	Std	Pro	Std
Quick Properties	✓	✓		
Hidden Message Settings	✓	✓	✓	✓
WorkSpace command	✓	✓		
Color Scheme	Support many	Support many	Support few	Support few
CUI Menus and Toolbars	✓	✓	✓	✓
CUI Import & Export	✓	✓		
Drag and Drop Customization	✓	✓	✓	✓
Visual Menu Customization	✓	✓	✓	✓
Ribbon / Classic	✓	✓	✓	✓
Properties Palettes	✓	✓	✓	✓
Design Center / Tool Palettes	✓	✓	✓	✓
Xref Palette	✓	✓	✓	✓
Command Line	✓	✓	✓	✓
Clean Screen	✓	✓	✓	✓
New Dynamic Input	✓	✓		
Menu bar	✓	✓	Partially	Partially
File Tab	✓	✓	✓	✓
Selection, Snap & Track	Pro	Std	Pro	Std
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	Different method

ADDSELECTED command	✓	✓		
Multiple command	✓	✓	✓	✓
Customizable Mouse Actions in CUI	✓	✓	✓	✓
Dimensions	Pro	Std	Pro	Std
Rapid Distance	✓	✓		
Standard Dimensions	✓	✓	✓	✓
Associative Dimension	✓	✓	✓	✓
Quick Dimension	✓	✓	✓	✓
Qleader	✓	✓	✓	✓
Dimension Break	✓	✓		
Multileaders	✓	✓	✓	✓
Text	Pro	Std	Pro	Std
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	✓	✓	ArcText	ArcText
Text Incremental Copy	✓	✓		
Text on line	✓	✓		
Statistics Summation	✓	✓		
Layers	Pro	Std	Pro	Std
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	✓	✓	✓	✓
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	Std
Hatch objects from Tool Palettes	✓	✓	✓	✓

Feature				
Gradient Hatches	✓	✓	✓	✓
Custom Patterns	✓	✓	✓	✓
Background and Color for Hatch Patterns	✓	✓	✓	✓
Trim/Extend of/to Hatch Pattern Entities	✓	✓	✓	✓
Superhatch	✓	✓	✓	✓
Transparency for Hatch	✓	✓	✓	✓
Trim/Extend/Hatch preview	✓	✓		
Raster images	**Pro**	**Std**	**Pro**	**Std**
Raster Image Support (Clipping, Transparency, ...)	✓	✓	✓	✓
Support Kinds of Image Files (bmp\jpg\png\tga\tif\gif\pcx\...)	ECW and JPEG 2000 not supported	ECW and JPEG 2000 not supported	ECW, JPEG2000 supported	ECW, JPEG2000 supported
Express Tools	**Pro**	**Std**	**Pro**	**Std**
Area Table	✓	✓		
Break Object	✓	✓		
Block Break	✓	✓		
Express Tools	**Pro**	**Std**	**Pro**	**Std**
Graphic Compare	✓	✓		
Text Align / Text Match	✓	✓	Align Text	Align Text
Change Text	✓	✓		
Batpurge	✓	✓		
Layout by Path	✓	✓		
Line2pl	✓	✓		
Sptpl	✓	✓		
GstarCAD Tools	✓	✓		
Plot tools	✓	✓		
Drawing Compare	✓	✓	File Compare	File Compare
Delete Duplicate Objects (OVERKILL)	✓	✓	✓	✓
Drawing Lock	✓	✓	Lock Up	Lock Up
Others	**Pro**	**Std**	**Pro**	**Std**
Region	✓		✓	
Dataextraction	✓	✓	✓	✓
Make Shape	✓	✓		
Import Layout as Sheet	✓	✓		
Viewport Scale	✓	✓		
Attribute Increment（ATTINC）	✓	✓		
Define Layout Viewport from ModelSpace（M2LVPORT）	✓	✓		
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	✓	✓	✓	✓
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	✓	✓	✓	✓
Cloud Storage	✓	✓		
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	✓	✓	✓	✓
Digitizer Integration	✓	✓		
Scale List	✓	✓	✓	✓
Dynamic Block Create/Insert/View	✓	✓	partially	partially
Dynamic Block Editor (BEDIT)	✓	✓ Partially		
Table Tools	✓	✓		
AutoXLSTable	✓	✓		
Pline Boolean	✓	✓		
SmartMouse			✓	✓
SmartVoice			✓	✓
Undo/Redo Preview	✓	✓	✓	✓
Invert Xclip	✓	✓	✓	✓
Table Formula	✓	✓	✓	✓
3D	**Pro**	**Std**	**Pro**	**Std**
POLYSOLID	✓			
PLANESURF	✓		✓	
SURFOFFSET	✓			
CONVTOMESH	✓			
CONVTOSOLID	✓			
CONVTOSURFACE	✓			
CONVTONURBS	✓			
Point Cloud	✓	✓		
3D Edition Grips	✓			
Section Plane	✓			
Flatshot	✓			
3D Surfaces	✓	✓	✓	✓
ACIS Modeling & Editing	✓		✓	
3D Orbit options	✓	✓	Partially	Partially
Render	✓		✓	
Visual Styles Manager	✓			
Solid editing	✓		Partially	
Solprof / Solview / Soldraw	✓		Only Solprof	
Printing	**Pro**	**Std**	**Pro**	**Std**
CTB & STB Plot Style Files	✓	✓	✓	✓
Plot Styles Table Editor	✓	✓	✓	✓
Built-in Print Driver	✓	✓	Partially	Partially
Import & Editing of Page Setups	✓	✓	✓	✓
Publish	✓	✓	✓	✓
Hide and Shade Plot	✓	✓	Partially	Partially
Batch Print	✓	✓	✓	✓
Arrange Frame	✓	✓		

Programming	Pro	Std	Pro	Std
ActiveX, Including In-place Editing	✓	✓	✓	✓
Entity Data Editor	✓	✓	✓	✓
LISP Support with vl-, vlr-, vla- and vlax- support	✓	✓	✓	✓
LISP Encryption	✓	✓	✓	✓
Solutions Development System (SDS/ADS)	✓	✓	✓	✓
DCL / DCL engine / COM API	✓	✓	✓	✓
Visual Basic for Applications	✓	✓	✓	
VBA VBI Projects Support	✓	✓	✓	✓
.Net	✓	✓	✓	
GRX (GstarCAD Runtime eXtension)	✓	✓	ZRX	
CUI Menu Support and Diesel Expressions	✓	✓		
MNU and MNS File Support	✓	✓	✓	✓
API for Toolbar and Menu Customization	✓	✓	✓	✓
Licensing	Pro	Std	Pro	Std
Subscription	✓	✓		
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.

Table comparison updated at Sep 28th 2020.

The package that contains LT version will not support bedit, no matter PRO, STD or LT.

The new features that ZWCAD 2021 releases have been supported already in GstarCAD 2021 and some early versions.