	GstarCAD 2020		AutoCAD 2020	
Files	Pro	Std	Com	LT
32-bit / 64-bit Support	✓	✓	✓	✓
.dwg/.dxf for AutoCAD version 2.5 to latest	✓	✓	✓	✓
.pat,.shx,.lin and etc	✓	✓	✓	✓
Password Protection	✓	✓	✓	✓
File Recover and Audit	✓	✓	✓	✓
Purge	✓	✓	✓	✓
Etransmit	✓	✓	✓	✓
Sheet Set Manager	✓	✓	✓	✓
CAD Standard .dws	✓	✓	✓	
DWF Underlay	✓	✓	✓	✓
PDF Underlay	✓	✓	✓	✓
DGN Import and Underlay	✓	✓	✓	✓
DWG Convert	✓	✓	✓	✓
Import to WMF, SAT, 3DS	✓	✓	✓	✓
Export to DWG, DWF, DWFX, WMF, SAT, STL, EPS, DXX, BMP,EMF	✓	✓	✓	✓
Plot and Publish to PDF	✓	✓	✓	✓
Publish to DWF 2D & 3D	✓	✓	✓	✓
Collaboration	✓	✓	Different	Different
IFC format	✓	✓		
Interface	Pro	Std	Com	LT
Quick Properties	✓	✓	✓	✓
Block Palette			✓	✓
Dark Theme	✓	✓	✓	✓
Hidden Message Settings	✓	✓	✓	✓
WorkSpace command	✓	✓	✓	✓
CUI Menus and Toolbars	✓	✓	✓	
CUI Import & Export	✓	✓	✓	✓
Drag and Drop Customization	✓	✓		
Visual Menu Customization	✓	✓	✓	✓
Ribbon/Classic	✓	✓	✓	✓
Properties Palettes	✓	✓	✓	✓
Design Center/Tool Palette/Xref Palette	✓	✓	✓	✓
Command Line	✓	✓	✓	✓
Clean Screen	✓	✓	✓	✓
Dynamic Input and Auto Complete	✓	✓	✓	✓
Clickable Command Line Options			✓	✓
File Tab	✓	✓	✓	✓
Selection, Snap & Track	Pro	Std	Com	LT
SELECTIONCYCLING	✓	✓	✓	✓
Right-Click + Drag Method	✓	✓	✓	✓
Selection Preview	✓	✓	✓	✓
Selection Effect Customization			✓	✓
Quick Select	✓	✓	✓	✓
Select Similar	✓	✓	✓	✓
Multifunctional Grips	✓	✓	✓	✓
Osnap	✓	✓	✓	✓
Grid and Snap	✓	✓	✓	✓
Polar & OTrack	✓	✓	✓	✓
Distance from Endpoint and Divide Segments	✓	✓		
Group	✓	✓	✓	✓
ADDSELECTED command	✓	✓	✓	✓
Multiple command	✓	✓	✓	✓

Dimensions	Pro	Std	Com	LT
Quick Measure by Hovering			✓	✓
Standard Dimensions	✓	✓	✓	✓
Associative Dimension	✓	✓	✓	✓
Quick Dimension	✓	✓	✓	✓
Qleader	✓	✓	✓	✓
Dimension Break	✓	✓	✓	✓
Multileaders	✓	✓	✓	✓
Smart Dimensioning			✓	✓
Text	**Pro**	**Std**	**Com**	**LT**
Text Align / Text Match	✓	✓	Text Align	Text Align
Change Text	✓	✓		
Mtext	✓	✓	✓	✓
Mtext Superscript and Subscripts			✓	✓
Text	✓	✓	✓	✓
Multi-language Character Set	✓	✓	✓	✓
In-place Text Editor	✓	✓	✓	✓
Mtext Editor	✓	✓	✓	✓
Support .shx and .ttf font	✓	✓	✓	✓
Spelling	✓	✓	✓	✓
Check spelling in Mtext	✓	✓	✓	✓
Field	✓	✓	✓	✓
Revcloud	✓	✓	✓	✓
Wipeout	✓	✓	✓	✓
Text Incremental Copy	✓	✓		
Autobullets and Numbering			✓	✓
Text on line	✓	✓		
Statistics Summation	✓	✓		
Layers	**Pro**	**Std**	**Com**	**LT**
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	✓	✓	✓	✓
Hatch	**Pro**	**Std**	**Com**	**LT**
Gradient Hatches	✓	✓	✓	✓
Custom Patterns	✓	✓	✓	✓
Background and Color for Hatch Patterns	✓	✓	✓	✓
Trim/Extend of/to Hatch Pattern Entities	✓	✓	✓	✓

Superhatch	✓	✓	✓	
Raster images	Pro	Std	Com	LT
Raster Image Support (Clipping,	✓	✓	✓	✓
Support Kinds of Image Files (bmp\jpg\png\tga\tif\gif\pcx\...)	ECW & JPEG 2000 not supported yet	ECW & JPEG 2000 not supported yet	✓	✓
Express Tools	Pro	Std	Com	LT
Area Table	✓	✓		
Break Object	✓	✓		
Block Break	✓	✓		
Graphic Compare	✓	✓		
Express Tools	Pro	Std	Com	LT
Batpurge	✓	✓		
Layout by Path	✓	✓	Array path	Array path
Line2pl	✓	✓		
Sptpl	✓	✓		
GstarCAD Tools	✓	✓		
Plot tools	✓	✓		
Drawing Compare	✓	✓	DWG COMPARE	DWG COMPARE
Delete Duplicate Objects (OVERKILL)	✓	✓	✓	✓
Drawing Lock	✓	✓		
Others	Pro	Std	Com	LT
Make Shape	✓	✓	✓	✓
Import Layout as Sheet	✓	✓	✓	✓
Viewport Scale	✓	✓	✓	✓
Attribute Increment	✓	✓		
Define Layout Viewport from ModelSpace（N	✓	✓		
Security	✓	✓	✓	
Free Scale	✓	✓		
Hatch to Back	✓	✓	✓	✓
Reverse	✓	✓	✓	✓
Synchronize Attributes	✓	✓	✓	✓
Clip	✓	✓	✓	✓
Array Options	✓	✓	✓	✓
Align Tool / Arrange Tool	✓	✓		
Areasum	✓	✓		
Table	✓	✓	✓	✓
Symmetric Draw	✓	✓		
Outline Objects	✓	✓		
Smart centerlines/center marks			✓	✓
Invert Fillet	✓	✓		
Draw and Modify Commands	✓	✓	✓	✓
Offset Multiple	✓	✓	✓	✓
Helix	✓	✓	✓	✓
Real Time Pan & Zoom	✓	✓	✓	✓
SteeringWheels			✓	✓
Redraw and Regeneration	✓	✓	✓	✓
Layout and Paper Space	✓	✓	✓	✓
Layout Viewport settings	✓	✓	✓	✓
Magnifier	✓			
Barcode & QR Code	✓	✓		
Cloud Storage	✓	✓	✓	✓
Design Share			✓	✓
Non-rectangular Viewports	✓	✓	✓	✓
Shortcut Customization(CUSTACC)	✓	✓		
Match Properties Across Drawings	✓	✓	✓	✓

Feature	Pro	Std	Com	LT
Multilines and Multiline Styles	✓	✓	✓	
Block Create and Insert	✓	✓	✓	✓
Redefine Block	✓	✓	✓	✓
Block Attribute Definition	✓	✓	✓	✓
Refedit	✓	✓	✓	✓
Hyperlink	✓	✓	✓	✓
Digitizer Integration	✓	✓	✓	✓
Scale List	✓	✓	✓	✓
Dynamic Block Creat/ Insert/View	✓	✓	✓	✓
Dynamic Block Editor (BEDIT)	✓	Partially	✓	✓
Table Tools	✓	✓		
AutoXLSTable	✓	✓		
Pline Boolean	✓	✓		
Xref path repair			✓	✓
Undo/Redo Preview	✓	✓	✓	✓
3D	**Pro**	**Std**	**Com**	**LT**
3D Edition Grips	✓		✓	
Section Plane	✓		✓	
Flatshot	✓	✓	✓	
3D Surfaces	✓	✓	✓	
ACIS Modeling & Editing	✓		✓	
3D Orbit options	✓	✓	✓	
Camera			✓	
Render	✓		✓	
Visual Styles	✓	✓	✓	
Solid editing	✓		✓	
Solprof / Solview / Soldraw	✓		✓	
Printing	**Pro**	**Std**	**Com**	**LT**
CTB & STB Plot Style Files	✓	✓	✓	✓
Plot Styles Table Editor	✓	✓	✓	✓
Built-in Print Driver	✓	✓	✓	✓
Import & Editing of Page Setups	✓	✓	✓	✓
Publish	✓	✓	✓	✓
Viewport Max			✓	✓
3D Print Studio			✓	
Hide and Shade Plot	✓	✓	✓	✓
Batch Print	✓	✓		
Arrange frame	✓	✓		
Programming	**Pro**	**Std**	**Com**	**LT**
Entity Data Editor	✓	✓	✓	
Action Recording and Action Macros			✓	
LISP vl-, vlr-, vla- and vlax	✓	✓	✓	
LISP Encryption	✓	✓	✓	
(SDS/ADS)	✓	✓	✓	
DCL / DCL engine / COM API	✓	✓	✓	
Visual Basic for Applications	✓	✓	✓	
VBA VBI Projects Support	✓	✓	DVB	
.Net Framework	✓	✓	✓	
GRX (GstarCAD Runtime eXtension)	✓	✓	ARX	
CUI Menu Support/Diesel Expressions	✓	✓	✓	✓
Diesel Expressions	✓	✓	✓	✓
MNU and MNS File Support	✓	✓	✓	✓
API (Toolbar & Menu Customization)	✓	✓	✓	
Licensing	**Pro**	**Std**	**Com**	**LT**
Subscription	✓	✓	✓	✓

Stand-alone USB dongle	✓	✓		
Network USB dongle	✓	✓		
Stand-alone License	✓	✓	✓	✓
Network License	✓	✓	✓	

REMARKS

This table is for reference only

Empty space means functionally not supported

Table comparison updated at Sep 16th 2019

	GstarCAD 2020		ZWCAD 2020	
Files	Pro	Std	Pro	Std
32-bit / 64-bit Support	✓	✓	✓	✓
.dwg and .dxf for AutoCAD version 2.5 to latest	✓	✓	✓	✓
.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	✓	✓		
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	✓	✓	✓	✓
Dimensions	Pro	Std	Pro	Std
Standard Dimensions	✓	✓	✓	✓
Associative Dimension	✓	✓	✓	✓
Quick Dimension	✓	✓	✓	✓
Qleader	✓	✓	✓	✓
Dimension Break	✓	✓		
Multileaders	✓	✓	✓	✓
Text	Pro	Std	Pro	Std
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	✓	✓	✓	✓
Hatch	Pro	Std	Pro	Std
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**
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	✓	✓		

	Pro	Std	Pro	Std
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	✓	✓	✓	✓
3D	Pro	Std	Pro	Std
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

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Table comparison updated at Sep 16th 2019