

**GEOsCAD2 v.22**

	FEATURES LIST	STD	PRO
<b>Licensing</b>	Dongle (USB) & Permanent	✓	✓
<b>Compatibility / Platform</b>	ZWCAD 2018 –2022 ( Std / Pro Module )	✓	✓ (Pro only)
	AutoCAD 2018 – 2022 ( Applicable to GEOsCAD2 for AutoCAD Version only )	✓	✓
<b>Bearing and Distance</b> ( Auto / Manual Labeling )	- Base on single or group selection of Lines (Entity)	✓	✓
	- Base 2-Points or Polygon ( Close Boundary )	✓	✓
	- Reverse Bearing , Add Bearing Spacing..	✓	✓
<b>Area</b> (Calculate & Labeling)	- Automatic ( Batch )	✓	✓
	- Semi-auto by selecting a Close Boundary.	✓	✓
	- By selecting multiple Points	✓	✓
	- Measurements Units ( M2, Ha, Ek, Kp )	✓	✓
<b>Table</b>	- Bearing Distance / Coordinate Table	✓	✓
	- 2D Polyline / 3D Polyline Vertex points	✓	✓
<b>Lot Number / Number</b> ( Labeling )	- Automatic ( Batch ) with User define Option	✓	✓
	- Manual ( Individual )	✓	✓
	Add ( PT / PTD / PTB / PLOT / A / C...) To Lot Number	✓	✓
	Add Prefix or Suffix for Number / Text	✓	✓
<b>Road Width</b> ( Labeling )	- Vertical / Horizontal	✓	✓
	- Meter / Feet	✓	✓
<b>Traverse Line</b> ( Functions )	- Auto Plot Boundary / Stn.No. (Bearing & Distance )	✓	✓
	- Radiate from Station	✓	✓
	- Misclose Report	✓	✓
	- Bowditch / Transit / Crandall / Po and New Adjust	✓	✓
	- Link Survey Traverse Adjust Misclose	✓	✓
<b>Insert Symbol Tools</b>	Boundary Marks ( Trim / Without )	✓	✓
	Cutting Symbol – Civil Engineer Style ( Fill / Without )	✓	✓
	Cutting Symbol – Surveyor Style ( Fill / Without )	✓	✓
	Points Symbol ( LP / EP / TP / MH / HWP... )	✓	✓
	Insert Stone Number	✓	✓
<b>Plot House Corner</b>	Plot House Corner	✓	✓
<b>Spot Level</b>	Change Datum ( Text / Point Level )	✓	✓
	Add IL to Spot Height	✓	✓
	Auto Create Spot Level Text From XYZ Points	✓	✓
<b>Points</b>	Add, Interpolate, Change Datum	✓	✓
	Auto Create XYZ Points from Spot Level Text and Vice versa	✓	✓
	Label Coordinates Points	✓	✓
	Generate Points from LWPolyline	✓	✓
	Generate Points From 3D Polyline	✓	✓
<b>Triangulation ( TIN )</b>	Generate TIN 3D Model (Line) from 3D Points	✓	✓
	Generate TIN 3D Model (3D Polygon) from 3D Points	o	✓
<b>Interpolation</b>	3D Spot Level - Base on 2 Reference 3D Points	✓	✓
	Intersect 3D Points – Base on Line Drawn Across TIN 3D Model (Line)	✓	✓
<b>Cross Section &amp; Long Profile</b>	Generate Cross Section from Line drawn across XYZ-points	✓	✓
	Generate Long Profile from Line drawn across XYZ-points	✓	✓
	Copy Center Line Point – Select and Create 3D Points with a single Line drawn across XYZ-points	✓	✓
<b>Pile Survey</b>	Set Pile Number	✓	✓
	ASCII Output for X Y / Bearing Dist X Y	✓	✓
	Pile Deviation As-built	✓	✓
<b>Others</b>	Polyline - Multi B-poly	✓	✓
	Line - Break Lot Lines	✓	✓
<b>TEXT</b>	Rotate Text ( Align / Vertical /Horizontal )	✓	✓
	Change Text Oblique Angle	✓	✓
<b>Unit Conversion</b>	For Distance & Spot Levels ( Feet / Meter / Link / Inches )	✓	✓
	For Point ( Feet / Meter / Link )	✓	✓
	For Area ( Acre / Hectare / Sq Meter / Sq Feet )	✓	✓
<b>Transformation Coordinate</b> (For West Malaysia States)	GDM 2000 Cassini to WGS84   WGS84 to GDM 2000 Cassini	New !	✓ (v.22) ✓ (v.22)
	GDM 2000 or Ketau Cassini export to Google Earth (*.kml)	New !	✓ (v.22) ✓ (v.22)
	Cassini to RSO   RSO to Cassini	✓	✓
	RSO to MRT   MRT to RSO	✓	✓
<b>Label Coordinate</b>	Standard / Sabah / Sarawak Format	✓	✓
<b>Topo Survey</b>	Break line, Swap 3D Triangles, ..	o	✓
	Generate 2D Contour Polylines & Label Contour	o	✓
	TIN functions : 3D Spot Level with equal space / distance, ..	o	✓
	Basic Volume - Calculation	o	✓
<b>Road Design Tools</b>	Insert Chainage & Cross Section Line	o	✓
<b>Color Chart</b>	TIN / Contour / Slope base on X/Y/Z coordinates	o	✓

Brand names and product names listed in this brochure are the trademarks or registered trademarks of their respective owners. Specifications / features subject to change without prior notice.