

Dell Precision fixed Workstations

RECOMMENDED CONFIGURATIONS / ISVs APPLICATIONS

Engineering & Architecture (CAD/CAE)								
Applications	Recommended platforms		Processors		Graphics Options		Memory	
	Standard usage	Advanced use	Standard usage	Advanced use	Standard usage	Advanced use	Standard usage	Advanced use
ANSYS Mechanical™	Precision 7820	Precision 7920/R7920	2x Intel Xeon 5218	2x Intel Xeon 8280	NVIDIA Quadro P2200	NVIDIA Quadro RTX5000	96Go min.	192Go min.
ANSYS Fluent®	Precision 7820	Precision 7920/R7920	2x Intel Xeon 5218	2x Intel Xeon 8280	NVIDIA Quadro P2200	NVIDIA Quadro RTX5000	96Go min.	192Go min.
Autodesk® Autocad®	Precision 3431/3630	Precision 5820	Intel Core i7 9700	Intel Xeon W-2145	NVIDIA Quadro P620	NVIDIA Quadro P2200	8Go min.	16Go min.
Autodesk® Building Design Suite	Precision 5820	Precision 7820	Intel Xeon W-2133	2x Intel Xeon 6244	NVIDIA Quadro RTX4000	NVIDIA Quadro RTX5000	32Go min.	64Go min.
Autodesk® Inventor®	Precision 3630	Precision 5820	Intel Core i7 9700	Intel Xeon W-2125	NVIDIA Quadro P2200	NVIDIA Quadro RTX4000	16Go min.	32Go min.
Autodesk® Product Design Suite	Precision 3630	Precision 7820	Intel Core i7 9700	2x Intel Xeon 6244	NVIDIA Quadro P2200	NVIDIA Quadro RTX4000	16Go min.	64Go min.
Autodesk® MoldFlow®	Precision 7820	Precision 7920	2x Intel Xeon 5218	2x Intel Xeon 8280	NVIDIA Quadro P2200	NVIDIA Quadro RTX4000	32Go min.	128Go min.
Autodesk® Mudbox™	Precision 7820	Precision 7920	2x Intel Xeon 5218	2x Intel Xeon 8280	NVIDIA Quadro P2200	NVIDIA Quadro RTX4000	32Go min.	128Go min.
Autodesk® Revit®	Precision 3630	Precision 5820	Intel Core i7 9700	Intel Xeon W-2135	NVIDIA Quadro P2200	NVIDIA Quadro RTX4000	16Go min.	32Go min.
Autodesk® Alias®	Precision 3630	Precision 5820	Intel Core i7 9700	Intel Xeon W-2125	NVIDIA Quadro RTX4000	NVIDIA Quadro RTX5000	16Go min.	32Go min.
Dassault Systèmes SIMULIA Abaqus	Precision 5820	Precision 7820	Intel Xeon W-2155	2x Intel Xeon 6244	NVIDIA Quadro P2200	NVIDIA Quadro RTX4000	128Go min.	192Go min.
Dassault Systèmes CATIA®	Precision 3630	Precision 5820	Intel Core i7 9700	Intel Xeon W-2135	NVIDIA Quadro P2200	NVIDIA Quadro RTX4000	16Go min.	32Go min.
Dassault Systèmes Solidworks®	Precision 3630	Precision 5820	Intel Core i7 9700	Intel Xeon W-2125	NVIDIA Quadro P2200	NVIDIA Quadro RTX4000	16Go min.	32Go min.
Graphisoft Archicad	Precision 3630	Precision 5820	Intel Core i7 9700	Intel Xeon W-2135	NVIDIA Quadro P2200	NVIDIA Quadro RTX4000	16Go min.	32Go min.
MathWorks MATLAB	Precision 5820	Precision 7820	Intel Xeon W-2145	2x Intel Xeon 6244	NVIDIA Quadro P400	NVIDIA Quadro RTX6000	32Go min.	96Go min.
MSC NASTRAN	Precision 7820	Precision 7920	2x Intel Xeon 5218	2x Intel Xeon 8280	NVIDIA Quadro P2200	NVIDIA Quadro RTX6000	96Go min.	192Go min.
PTC® Creo Parametric	Precision 3630	Precision 5820	Intel Core i7 9700	Intel Xeon W-2175	NVIDIA Quadro P2200	NVIDIA Quadro RTX4000	16Go min.	32Go min.
Siemens PLM NX™	Precision 3630	Precision 5820	Intel Core i7 9700	Intel Xeon W-2175	NVIDIA Quadro P2200	NVIDIA Quadro RTX4000	16Go min.	32Go min.
Siemens Solidedge	Precision 3630	Precision 5820	Intel Core i7 9700	Intel Xeon W-2175	NVIDIA Quadro P2200	NVIDIA Quadro RTX4000	16Go min.	32Go min.
ESRI ArcGIS Desktop™	Precision 3630	Precision 5820	Intel Core i7 9700	Intel Xeon W-2135	NVIDIA Quadro P2200	NVIDIA Quadro RTX4000	16Go min.	32Go min.
Media & Entertainment (Modeling / Animation / Visualization (rendering) / Video production & post-production)								
Adobe Photoshop	Precision 3431/3630	Precision 5820	Intel Core i7 9700	Intel Xeon W-2155	NVIDIA Quadro P1000	NVIDIA Quadro RTX5000	16Go min.	64Go min.
Adobe After Effects	Precision 3630	Precision 7820	Intel Core i7 9700	2x Intel Xeon 6244	NVIDIA Quadro P2200	NVIDIA Quadro RTX6000	32Go min.	96Go min.
Adobe Premiere Pro	Precision 3630	Precision 7820	Intel Core i7 9700	2x Intel Xeon 6244	NVIDIA Quadro P2200	NVIDIA Quadro RTX6000	32Go min.	96Go min.
Autodesk 3ds Max	Precision 5820	Precision 7820	Intel Xeon W-2145	2x Intel Xeon 6242	NVIDIA Quadro P2200	NVIDIA Quadro RTX6000	32Go min.	96Go min.
Autodesk Maya®	Precision 3630	Precision 7820	Intel Core i7 9700	2x Intel Xeon 6242	NVIDIA Quadro P2200	NVIDIA Quadro RTX5000	32Go min.	96Go min.
Maxon Cinema 4D	Precision 3630	Precision 7820	Intel Core i7 9700	2x Intel Xeon 6242	NVIDIA Quadro P2200	NVIDIA Quadro RTX5000	32Go min.	96Go min.
NewTek Lightwave	Precision 7820	Precision 7920	2x Intel Xeon 5218	2x Intel Xeon 8280	NVIDIA Quadro RTX4000	NVIDIA Quadro RTX5000	48Go min.	96Go min.
Side Effects Houdini	Precision 7820	Precision 7920	2x Intel Xeon 5218	2x Intel Xeon 8280	NVIDIA Quadro RTX4000	NVIDIA Quadro RTX6000	48Go min.	96Go min.
Avid Media Composer	Precision 3630	Precision 7820	Intel Core i7 9700	2x Intel Xeon 6242	NVIDIA Quadro P2200	NVIDIA Quadro RTX4000	32Go min.	96Go min.
EDIUS Grass Valley	Precision 3630	Precision 7820	Intel Core i7 9700	2x Intel Xeon 6242	NVIDIA Quadro P2200	NVIDIA Quadro RTX4000	32Go min.	96Go min.
Energy – Oil and Gas								
Dynamic Graphics EarthVision	Precision 5820	Precision 7820	Intel Xeon W-2145	2x Intel Xeon 6248	NVIDIA Quadro P2200	NVIDIA Quadro RTX4000	32Go min.	96Go min.
Dynamic Graphics CoVis 4D	Precision 5820	Precision 7820	Intel Xeon W-2145	2x Intel Xeon 6248	NVIDIA Quadro RTX4000	NVIDIA Quadro RTX5000	32Go min.	96Go min.
Dynamic Graphics Well Architect	Precision 5820	Precision 7820	Intel Xeon W-2145	2x Intel Xeon 6248	NVIDIA Quadro RTX4000	NVIDIA Quadro RTX5000	32Go min.	96Go min.
Landmark DecisionSpace desktop	Precision 7820	Precision 7920	2x Intel Xeon 6242	2x Intel Xeon 8268	NVIDIA Quadro RTX4000	NVIDIA Quadro RTX6000	96Go min.	192Go min.
LMKR GeoGraphix®	Precision 5820	Precision 7820	Intel Xeon W-2145	2x Intel Xeon 6248	NVIDIA Quadro RTX4000	NVIDIA Quadro RTX5000	32Go min.	96Go min.
Schlumberger GeoFrame®	Precision 7820	Precision 7920	2x Intel Xeon 6242	2x Intel Xeon 8268	NVIDIA Quadro RTX4000	NVIDIA Quadro RTX6000	96Go min.	192Go min.
Paradigm Geophysical VoxelGeo	Precision 7820	Precision 7920	2x Intel Xeon 6242	2x Intel Xeon 8268	NVIDIA Quadro RTX4000	NVIDIA Quadro RTX6000	96Go min.	192Go min.
Paradigm Geophysical EarthStudy360	Precision 7820	Precision 7920	2x Intel Xeon 6242	2x Intel Xeon 8268	NVIDIA Quadro RTX4000	NVIDIA Quadro RTX6000	96Go min.	192Go min.
Schlumberger Petrel®	Precision 7820	Precision 7920	2x Intel Xeon 6242	2x Intel Xeon 8268	NVIDIA Quadro RTX5000	NVIDIA Quadro RTX6000	96Go min.	192Go min.
IHS Markit KINGDOM	Precision 5820	Precision 7820	Intel Xeon W-2145	2x Intel Xeon 6248	NVIDIA Quadro RTX4000	NVIDIA Quadro RTX5000	32Go min.	96Go min.
IHS Markit Petra	Precision 5820	Precision 7820	Intel Xeon W-2145	2x Intel Xeon 6248	NVIDIA Quadro RTX4000	NVIDIA Quadro RTX5000	32Go min.	96Go min.



Dell Precision mobile Workstations

RECOMMENDED CONFIGURATIONS/ ISVs APPLICATIONS

Engineering and Architecture (CAD/CAE)								
Applications	Recommended platforms		Processors		Graphics Options		Memory	
	Standard usage	Advanced use	Standard usage	Advanced use	Standard usage	Advanced use	Standard usage	Advanced use
ANSYS Mechanical™	Precision 5540	Precision 7740	Intel Core i7 9850H	Intel Core i9 9980HK	NVIDIA Quadro T2000	NVIDIA Quadro RTX4000	32Go min.	64Go min.
ANSYS Fluent®	Precision 5540	Precision 7740	Intel Core i7 9850H	Intel Core i9 9980HK	NVIDIA Quadro T2000	NVIDIA Quadro RTX4000	32Go min.	64Go min.
Autodesk® Autocad®	Precision 3541	Precision 5540	Intel Core i5 9400H	Intel Core i7 9850H	NVIDIA Quadro P620	NVIDIA Quadro T1000	8Go min.	16Go min.
Autodesk® Building Design Suite	Precision 5540	Precision 7540	Intel Core i7 9850H	Intel Core i9 9880H	NVIDIA Quadro T1000	NVIDIA Quadro RTX3000	16Go min.	32Go min.
Autodesk® Inventor®	Precision 5540	Precision 7540	Intel Core i7 9850H	Intel Xeon E-2276m	NVIDIA Quadro T1000	NVIDIA Quadro RTX3000	16Go min.	32Go min.
Autodesk® Product Design Suite	Precision 5540	Precision 7740	Intel Core i7 9850H	Intel Xeon E-2276m	NVIDIA Quadro T1000	NVIDIA Quadro RTX4000	16Go min.	32Go min.
Autodesk® MoldFlow®	Precision 7540	Precision 7740	Intel Xeon E-2276m	Intel Xeon E-2286m	NVIDIA Quadro T2000	NVIDIA Quadro RTX4000	32Go min.	64Go min.
Autodesk® Mudbox™	Precision 7540	Precision 7740	Intel Xeon E-2276m	Intel Xeon E-2286m	NVIDIA Quadro T2000	NVIDIA Quadro RTX4000	32Go min.	64Go min.
Autodesk® Revit®	Precision 5540	Precision 7540	Intel Core i7 9850H	Intel Core i9 9980HK	NVIDIA Quadro T1000	NVIDIA Quadro RTX3000	16Go min.	32Go min.
Autodesk® Alias®	Precision 5540	Precision 7540	Intel Core i7 9850H	Intel Core i9 9980HK	NVIDIA Quadro T1000	NVIDIA Quadro RTX3000	16Go min.	32Go min.
Dassault Systèmes SIMULIA Abaqus	Precision 5540	Precision 7740	Intel Core i7 9850H	Intel Xeon E-2286m	NVIDIA Quadro T1000	NVIDIA Quadro RTX4000	32Go min.	64Go min.
Dassault Systèmes CATIA®	Precision 5540	Precision 7540	Intel Core i7 9850H	Intel Xeon E-2276m	NVIDIA Quadro T1000	NVIDIA Quadro RTX4000	16Go min.	32Go min.
Dassault Systèmes Solidworks®	Precision 5540	Precision 7540	Intel Core i7 9850H	Intel Core i9 9980HK	NVIDIA Quadro T1000	NVIDIA Quadro RTX3000	16Go min.	32Go min.
Graphisoft Archicad	Precision 5540	Precision 7540	Intel Core i7 9850H	Intel Core i9 9980HK	NVIDIA Quadro T1000	NVIDIA Quadro RTX3000	16Go min.	32Go min.
MathWorks MATLAB	Precision 7540	Precision 7740	Intel Xeon E-2276m	Intel Xeon E-2286m	NVIDIA Quadro T1000	NVIDIA Quadro RTX5000	64Go min.	64Go min.
MSC NASTRAN	Precision 7540	Precision 7740	Intel Xeon E-2276m	Intel Xeon E-2286m	NVIDIA Quadro T1000	NVIDIA Quadro RTX5000	64Go min.	64Go min.
PTC® Creo Parametric	Precision 5540	Precision 7540	Intel Core i7 9850H	Intel Core i9 9980H	NVIDIA Quadro T1000	NVIDIA Quadro RTX3000	16Go min.	32Go min.
Siemens PLM NX™	Precision 5540	Precision 7540	Intel Core i7	Intel Xeon E-2286m	NVIDIA Quadro T1000	NVIDIA Quadro RTX3000	16Go min.	32Go min.
Siemens Solidedge	Precision 5540	Precision 7540	Intel Core i7 9850H	Intel Xeon E-2286m	NVIDIA Quadro T1000	NVIDIA Quadro RTX3000	16Go min.	32Go min.
ESRI ArcGIS Desktop™	Precision 5540	Precision 7540	Intel Core i7 9850H	Intel Core i9 9980HK	NVIDIA Quadro T1000	NVIDIA Quadro RTX3000	16Go min.	32Go min.
Media & Entertainment (Modeling / Animation / Visualization (rendering) / Video production & post-production)								
Adobe Photoshop	Precision 3540	Precision 7540	Intel Core i7 8665U	Intel Core i9 9880H	RADEON Pro WX2100	NVIDIA Quadro RTX3000	16Go min.	32Go min.
Adobe After Effects	Precision 5540	Precision 7540	Intel Core i7 9850H	Intel Core i9 9980HK	NVIDIA Quadro T1000	NVIDIA Quadro RTX3000	32Go min.	64Go min.
Adobe Premiere Pro	Precision 5540	Precision 7540	Intel Core i7 9850H	Intel Core i9 9980HK	NVIDIA Quadro T1000	NVIDIA Quadro RTX3000	32Go min.	64Go min.
Autodesk 3ds Max	Precision 5540	Precision 7740	Intel Core i7 9850H	Intel Core i9 9980HK	NVIDIA Quadro T1000	NVIDIA Quadro RTX5000	32Go min.	64Go min.
Autodesk Maya®	Precision 5540	Precision 7740	Intel Core i7 9850H	Intel Core i9 9980HK	NVIDIA Quadro T1000	NVIDIA Quadro RTX5000	32Go min.	64Go min.
Maxon Cinema 4D	Precision 5540	Precision 7740	Intel Core i7 9850H	Intel Core i9 9980HK	NVIDIA Quadro T1000	NVIDIA Quadro RTX5000	32Go min.	64Go min.
NewTek Lightwave	Precision 7540	Precision 7740	Intel Core i9 9880H	Intel Core i9 9980HK	NVIDIA Quadro RTX3000	NVIDIA Quadro RTX5000	32Go min.	64Go min.
Side Effects Houdini	Precision 7540	Precision 7740	Intel Core i9 9880H	Intel Core i9 9980HK	NVIDIA Quadro RTX3000	NVIDIA Quadro RTX5000	32Go min.	64Go min.
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EDIUS Grass Valley	Precision 5540	Precision 7740	Intel Core i9 9880H	Intel Core i9 9980HK	NVIDIA Quadro T1000	NVIDIA Quadro RTX4000	32Go min.	64Go min.
Energy – Oil and Gas								
Dynamic Graphics EarthVision	Precision 5540	Precision 7740	Intel Core i7 9850H	Intel Core i9 9980HK	NVIDIA Quadro T2000	NVIDIA Quadro RTX4000	32Go min.	64Go min.
Dynamic Graphics CoVis 4D	Precision 5540	Precision 7740	Intel Core i7 9850H	Intel Core i9 9980HK	NVIDIA Quadro T2000	NVIDIA Quadro RTX4000	32Go min.	64Go min.
Dynamic Graphics Well Architect	Precision 5540	Precision 7740	Intel Core i7 9850H	Intel Xeon E-2286m	NVIDIA Quadro T2000	NVIDIA Quadro RTX5000	32Go min.	64Go min.
Landmark DecisionSpace desktop	Precision 5540	Precision 7740	Intel Core i7 9850H	Intel Xeon E-2286m	NVIDIA Quadro T2000	NVIDIA Quadro RTX4000	32Go min.	64Go min.
LMKR GeoGraphix®	Precision 7540	Precision 7740	Intel Core i7 9850H	Intel Xeon E-2286m	NVIDIA Quadro RTX3000	NVIDIA Quadro RTX5000	32Go min.	64Go min.
Schlumberger GeoFrame®	Precision 5540	Precision 7740	Intel Core i7 9850H	Intel Xeon E-2286m	NVIDIA Quadro T2000	NVIDIA Quadro RTX4000	32Go min.	64Go min.
Paradigm Geophysical VoxelGeo	Precision 7540	Precision 7740	Intel Core i9 9880H	Intel Xeon E-2286m	NVIDIA Quadro RTX3000	NVIDIA Quadro RTX5000	32Go min.	64Go min.
Paradigm Geophysical EarthStudy360	Precision 7540	Precision 7740	Intel Core i9 9880H	Intel Xeon E-2286m	NVIDIA Quadro RTX3000	NVIDIA Quadro RTX5000	32Go min.	64Go min.
Schlumberger Petrel®	Precision 7540	Precision 7740	Intel Core i7 9850H	Intel Xeon E-2286m	NVIDIA Quadro RTX3000	NVIDIA Quadro RTX5000	32Go min.	64Go min.
IHS Markit KINGDOM	Precision 5540	Precision 7740	Intel Core i7 9850H	Intel Xeon E-2286m	NVIDIA Quadro T2000	NVIDIA Quadro RTX5000	32Go min.	64Go min.
IHS Markit Petra	Precision 5540	Precision 7740	Intel Core i7 9850H	Intel Xeon E-2286m	NVIDIA Quadro T2000	NVIDIA Quadro RTX5000	32Go min.	64Go min.

