Dell Precision Workstation Product Recommendations
Engineering CATIA

FIXED WORKSTATIONS

Entry

Precision 3680 Tower

For the professional who works on light to moderately complex part design and light to medium sized assemblies, creates detailed drawings, schematic diagrams, and BOMs.

CPU: Intel® Core™ i7 14th Gen 14700 (33 MB cache, 20 cores, 28 threads, 2.1 GHz to 5.4 GHz, 65W)

Memory: 16GB: 2 x 8 GB, DDR5, 4400 MT/s, non-ECC

Graphics: AMD® Radeon™ Pro WX 3200, 4 GB GDDR5, 4 mDPAMD® Radeon™ Pro WX 3200, 4 GB GDDR5, 4 mDP NVIDIA® T1000 8GB, 8 GB GDDR6

Storage: 512 GB, M.2 2280, Gen 4 PCIe NVMe, SSD

OS: Windows 10/11 Pro or Windows 10/11 Pro for Workstations

Support: 3 Years ProSupport with Next Business Day Onsite Service

Standard

Precision 5860 Tower

For the professional who works on moderately complex part designs, including tool and die design, large assemblies, creates photo-realistic renderings and marketing materials, runs light Finite Element and Kinematic Analyses.

CPU: Intel® Xeon® W5-2445 (26.25 MB cache, 10 cores, 20 threads, 3.1 GHz to 4.6 GHz Turbo, 175 W)

Memory: 32GB, 2x16GB, DDR5, 4800MT/s, RDIMM ECC Memory

Graphics: AMD Radeon Pro W6600, 8 GB GDDR6, 4 DPAMD Radeon Pro W6600, 8 GB GDDR6, 4 DP NVIDIA® RTX™ A2000, 12 GB GDDR6, 4 mDP to DP adapters

Storage: 512 GB, M.2, PCIe NVMe, SSD, Class 40

OS: Windows 10/11 Pro or Windows 10/11 Pro for Workstations

Support: 3 Years ProSupport with Next Business Day Onsite Service

Advanced

Precision 7875 Tower

For the professional who works on complex part designs, including tool and die design, large assemblies, creates photo-realistic renderings and marketing materials, runs moderately complex Finite Element and Kinematic Analyses.

CPU: AMD Ryzen Threadripper PRO 7945WX (64 MB cache, 12 cores, 24 threads, 4.7GHz to 5.3GHz, 350 W)

Memory: 64 GB: 4 x 16 GB, DDR5, 4800 MT/s, RDIMM, ECC

Graphics: AMD Radeon Pro W6600, 8 GB GDDR6, 4 DPAMD Radeon Pro W6600, 8 GB GDDR6, 4 DP NVIDIA® A4000, 16 GB GDDR6, 4 DP

Storage: 1 TB, M.2, PCIe NVMe, SSD, Class 40

OS: Windows 10/11 Pro or Windows 10/11 Pro for Workstations

Support: 3 Years ProSupport with Next Business Day Onsite Service

Ultimate

Precision 7875 Tower

For the professional who works on complex part designs, including tool and die design, large assemblies, creates photo-realistic renderings and marketing materials, runs moderately complex Finite Element and Kinematic Analyses.

CPU: AMD Ryzen Threadripper PRO 7965WX (128 MB cache, 24 cores, 48 threads, 4.2GHz to 5.3GHz, 350 W)

Memory: 128 GB: 8 x 16 GB, DDR5, 4800 MT/s, RDIMM, ECC

Graphics: AMD Radeon Pro W6800, 32 GB GDDR6, 6 mDP NVIDIA® RTX™ 6000 Ada, 48 GB GDDR6, 4 DP

Storage: 1 TB, M.2, PCIe NVMe, SSD, Class 40

OS: Windows 10/11 Pro or Windows 10/11 Pro for Workstations

Support: 3 Years ProSupport with Next Business Day Onsite Service

Please read the use case descriptions thoroughly to identify the appropriate recommendation for your usage. Recommendations are starting points and your requirements may vary.

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MOBILE WORKSTATIONS

Entry

Precision **3591**
Mobile

For the professional who works on light t part design and light assemblies, creates detailed drawings, schematic diagrams, and BOMs and wants good mobility.

CPU: Intel® Core™ Ultra 7 155H vPro® Essentials (24 MB cache, 16 cores, 22 threads, up to 4.8 GHz, 45W)

Memory: 32 GB: 2 x 16 GB, DDR5, 5600 MT/s, non-ECC

Graphics: NVIDIA RTX 500 Ada Generation, 4 GB GDDR6

Storage: 512 GB M.2 PCIe NVMe Gen 4 2280 SSD

OS: Windows 10/11 Pro or Windows 10/11 Pro for Workstations

Support: 3 Years ProSupport with Next Business Day Onsite Service

Standard

Precision **5690**
Mobile

For the professional who works on light part design and light assemblies, creates detailed drawings, schematic diagrams, and BOMs and wants maximum mobility.

CPU: Intel® Core™ Ultra 7 155H vPro® Essentials (24 MB cache, 16 cores, 22 threads, up to 4.8 GHz, 45W)

Memory: 32GB LPDDR5x 7467 MT/s

Graphics: NVIDIA® RTX™ 2000 Ada 8GB GDDR6

Storage: 512 GB M.2 PCIe NVMe Gen 4 2280 SSD, Class 40

OS: Windows 11 Pro, English, Brazilian Portuguese, French, Spanish

Support: 3 Years ProSupport with Next Business Day Onsite Service

Advanced

Precision **7680**
Mobile

For the professional who works on moderately complex part design and assemblies, creates detailed drawings, schematic diagrams, and BOMs and wants good mobility.

CPU: Intel® Core™ i7-13850HX (30MB Cache, 28 Threads, 20 Cores (8P+12E) up to 5.3GHz, 55w, vPro)

Memory: 32GB, 2x16GB 5600MT/s SODIMM, non-ECC

Graphics: NVIDIA RTX™ 3500 Ada 12GB GDDR6

Storage: 512 GB, M.2 2280, Gen 4 PCIe x4 NVMe, SSD

OS: Windows 10/11 Pro or Windows 10/11 Pro for Workstations

Support: 3 Years ProSupport with Next Business Day Onsite Service

Ultimate

Precision **7780**
Mobile

For the professional who works on moderately complex part design and assemblies, creates detailed drawings, schematic diagrams, and BOMs and wants good mobility.

CPU: Intel® Core™ i9-13950HX (36MB Cache, 32 Threads, 24 Cores (8P+16E) up to 5.5GHz, 55w, vPro)

Memory: 64GB, 2x32GB 5200MT/s SODIMM, non-ECC

Graphics: NVIDIA RTX™ 5000 Ada 16GB GDDR6

Storage: 1 TB, M.2 2280, Gen 4 PCIe x4 NVMe, SSD

OS: Windows 10/11 Pro or Windows 10/11 Pro for Workstations

Support: 3 Years ProSupport with Next Business Day Onsite Service

For more information see:

Please read the use case descriptions thoroughly to identify the appropriate recommendation for your usage. Recommendations are starting points and your requirements may vary.