

Dell T3500 Workstation Benchmark

		Dell Precision T3500 workstation (one 2.27GHz Intel Xeon E5520 quad core CPU, NVIDIA Quadro FX 3800, 4GB RAM)		Lenovo S20 workstation (one 2.93GHz Intel Xeon W3540 quad core CPU, NVIDIA Quadro FX 4800, 4GB RAM)		HP Z800 workstation (two 3.2GHz Intel Xeon X5580 quad core CPUs, NVIDIA Quadro FX 4800, 12GB RAM)		HP xw8600 workstation (two 3.4GHz Intel Xeon X5492 quad core CPUs, NVIDIA Quadro FX 4800, 4GB RAM)		Lenovo Thinkstation S10 workstation (2.66GHz Intel Core 2 Q6700 quad core CPU, NVIDIA Quadro FX 4600, 2 GB RAM)		Alienware Area-51 ALX Crossfire workstation (Intel Core 2 Extreme 9650 quad core 3.0GHz CPU over- clocked to 4.0 GHz, two ATI Radeon HD 3870, 4GB RAM)	
Price as tested		\$2,544		\$3,885		\$10,604		\$9,307		\$2,589		\$6,163	
Date tested		7/30/09		7/29/09		4/24/09		12/22/08		6/30/08		3/24/08	
Operating System		Windows XP	Windows Vista	Windows XP	Windows Vista	Windows XP 64	Windows Vista 64	Windows XP	Windows Vista	Windows XP	Windows Vista	Windows XP	Windows Vista
SPECviewperf	higher												
3dsmax-04		39.91	42.75	48.43	52.59	50.55	51.51	52.24	54.61	37.88		19.61	
catia-02		51.85	53.33	60.40	60.61	62.10	61.66	63.17	62.48	48.25		17.06	
ensight-03		47.26	47.84	51.74	55.33	53.99	53.62	54.44	50.82	43.33		24.88	
maya-02		220.79	199.04	232.92	207.87	213.80	209.74	234.50	193.15	191.10		32.16	
proe-04		55.67	55.54	61.56	64.49	63.59	61.48	52.73	57.15	48.86		13.04	
SW-01		123.28	120.57	136.81	139.54	135.24	128.08	109.91	119.29	90.90		28.64	
tcvis-01		28.71	28.07	29.17	38.76	28.93	28.29	29.84	27.58	24.46		6.26	
ugnx-01		33.40	32.27	33.41	33.19	33.34	32.38	34.17	31.14	27.04		12.75	
SPECapc SolidWorks	lower												
Score	seconds	178.39	n/a	140.42	n/a	145.17	n/a	164.71	n/a	188.01		n/a	
Graphics	seconds	62.99	n/a	47.33	n/a	41.31	n/a	54.18	n/a	60.13		n/a	
CPU	seconds	36.68	n/a	31.01	n/a	32.68	n/a	44.36	n/a	41.48		n/a	
I/O	seconds	83.35	n/a	65.86	n/a	71.94	n/a	69.96	n/a	90.18		n/a	
SPECapc SolidWorks	higher												
Score	ratio	4.66	n/a	5.91	n/a	6.38	n/a	4.84	n/a	4.56		n/a	
Graphics	ratio	2.92	n/a	3.92	n/a	4.85	n/a	3.55	n/a	3.15		n/a	
CPU	ratio	8.80	n/a	10.41	n/a	9.87	n/a	7.27	n/a	7.72		n/a	
I/O	ratio	3.80	n/a	4.81	n/a	4.40	n/a	4.52	n/a	3.51		n/a	
Autodesk Render Test	lower												
Time	seconds	118.20	125.00	99.00	117.60	59.00	52.00	64.40	67.60	153.20		95.20	

Numbers in **blue** indicate best recorded results. Numbers in **orange** indicate worst recorded results. Results are shown separately for portable and desktop workstations.