

Single-Socket Workstations Compared

		BOXX 3DBOXX 3970 EXTREME workstation (one 3.4GHz Intel Core i7-2600K quad-core CPU over-clocked to 4.5GHz, NVIDIA Quadro 4000, 8GB RAM)		Dell Precision T1600 workstation (one 3.4GHz Intel Xeon E3-1270 quad-core CPU, NVIDIA Quadro 2000, 4GB RAM)		@Xi Computer MTower workstation (one 3.4GHz Intel Core i7 2600K quad-core CPU over-clocked to 4.1GHz, NVIDIA Quadro 5000, 16GB RAM)		Digital Storm PROTUS 226060 workstation (one 3.33GHz Intel i7-X980 six-core CPU, NVIDIA Quadro FX 3800, 12GB RAM)		BOXX 3DBOXX 4860 Extreme workstation (one 3.33GHz Intel i7-X980 six-core CPU over-clocked to 4.15GHz, NVIDIA Quadro 5000, 12GB RAM)		BOXX 3DBOXX 8550XTREME workstation (two 3.33GHz Intel Xeon X5680 six-core CPUs over-clocked to 4.2GHz, NVIDIA Quadro 5000, 24GB RAM)		Dell T5500 workstation (two 3.33GHz Intel Xeon X5680 six-core CPUs, NVIDIA Quadro 5000, 6GB RAM)	
Price as tested		\$4,048		\$1,875		\$4,465		\$6,545		\$6,325		\$11,396		\$9,242	
Date tested		10/12/11		9/11/11		4/30/11		12/13/10		11/14/10		3/20/11		1/14/11	
Operating System		Windows XP	Windows 7 64-bit	Windows XP	Windows 7 64-bit	Windows XP	Windows 7 64-bit	Windows XP	Windows 7 64-bit	Windows XP	Windows 7 64-bit	Windows XP	Windows 7 64-bit	Windows XP	Windows 7 64-bit
SPECviewperf	higher														
3dsmax-04		n/a	99.03 ¹	83.61	81.72	n/a	89.36	88.15	87.07	n/a	90.25	95.97	95.44 ¹	76.05	78.72
catia-02		n/a	124.75 ¹	96.38	93.28	n/a	121.7 ¹	75.35	84.85	n/a	115.36	120.44	121.1 ¹	98.48	100.25
ensight-03		n/a	109.56 ¹	76.62	74.16	n/a	131.19 ¹	62.22	58.33	n/a	120.41	132.41	130.13 ¹	118.29	121.70
maya-02		n/a	399.43 ¹	297.27	270.53	n/a	465.88	174.45	218.33	n/a	458.21	529.89	476.95 ¹	490.95	435.44
proe-04		n/a	120.33 ¹	89.24	85.86	n/a	128.25	83.16	77.29	n/a	114.34	113.84	113.24	92.19	90.61
SW-01		n/a	231.44 ¹	169.31	160.61 ¹	n/a	239.78	174.74	157.70	n/a	233.03	221.31	214.06	180.49	169.75
tcvis-01		n/a	79.05 ¹	56.76	54.24	n/a	97.45	40.16	37.36	n/a	95.26	98.58	94.17	93.99	90.34
ugnx-01		n/a	65.91 ¹	43.40	42.47	n/a	88.87 ¹	37.46	35.49	n/a	88.75	89.32	86.90	89.31	87.95
SPECapc SolidWorks	lower														
Score	seconds	n/a	n/a	106.63 ¹	n/a	n/a	n/a	106.51 ¹	n/a	n/a	n/a	106.56 ¹	n/a	146.86	n/a
Graphics	seconds	n/a	n/a	34.24 ¹	n/a	n/a	n/a	32.17 ¹	n/a	n/a	n/a	35.33 ¹	n/a	58.42	n/a
CPU	seconds	n/a	26.44 ¹	25.05 ¹	n/a	n/a	27.48 ¹	26.87 ¹	n/a	n/a	31.63	25.99 ¹	n/a	32.27	n/a
I/O	seconds	n/a	47.01 ¹	48.26 ¹	n/a	n/a	49.48 ¹	47.99 ¹	n/a	n/a	54.68	46.51 ¹	n/a	60.76	n/a
SPECapc SolidWorks	higher														
Score	ratio	n/a	n/a	8.04 ¹	n/a	n/a	n/a	8.04 ¹	n/a	n/a	n/a	8.23 ¹	n/a	5.32	n/a
Graphics	ratio	n/a	n/a	5.74 ¹	n/a	n/a	n/a	6.07 ¹	n/a	n/a	n/a	6.08 ¹	n/a	3.23	n/a
CPU	ratio	n/a	12.20 ¹	12.88 ¹	n/a	n/a	11.74 ¹	12.01 ¹	n/a	n/a	10.20	12.61 ¹	n/a	10.00	n/a
I/O	ratio	n/a	6.73 ¹	6.56 ¹	n/a	n/a	6.40 ¹	6.60 ¹	n/a	n/a	5.79	6.81 ¹	n/a	5.21	n/a
Autodesk Render Test	lower														
Time	seconds	n/a	45.6 ¹	82.2 ¹	60.5 ¹	n/a	49.8 ¹	53.5 ¹	46.3 ¹	n/a	39.6 ¹	34.0 ¹	19.0 ¹	42.0 ¹	28.0 ¹

Numbers in blue indicate best recorded results. Numbers in red indicate worst recorded results.