

## Mobile Workstations

		Dell Precision M6500 mobile workstation (2.00GHz Intel Core i7 X920 CPU, NVIDIA Quadro FX 380M, 4GB RAM)		HP EliteBook 8530w mobile workstation (2.53GHz Intel Core 2 Duo T9400 CPU, NVIDIA Quadro FX770M, 4GB RAM)		Lenovo ThinkPad W700 mobile workstation (2.53GHz Intel Core 2 Quad Core Q9300 CPU, NVIDIA Quadro FX3700M, 4GB RAM)		Alienware Area-51 m15x mobile workstation (2.8GHz Intel Core 2 Extreme CPU, NVIDIA GeForce 8800M, 4GB RAM)		Dell Precision M6300 mobile workstation (2.60GHz Intel Core 2 Duo T9500 CPU, NVIDIA Quadro FX 3600M, 2GB RAM)		HP Compaq 8710w mobile workstation (2.60GHz Intel Core 2 Duo T9500 CPU, NVIDIA Quadro FX 3600M, 2GB RAM)	
Price as tested		\$4,430		\$2,822		\$3,524		\$4,549		\$3,051		\$3,726	
Date tested		4/23/10		12/18/08		10/22/08		10/22/08		8/28/08		7/31/08	
Operating System		Windows XP	Windows 7	Windows XP	Windows Vista	Windows XP	Windows Vista	Windows XP	Windows Vista	Windows XP	Windows XP	Windows XP	Windows XP
SPECviewperf	higher												
3dsmax-04		49.56	<b>52.35</b>	33.38	32.21	34.23	<b>12.12</b>	33.25	34.22				
catia-02		<b>64.31</b>	61.72	42.41	39.75	45.01	<b>13.64</b>	41.85	42.57				
ensight-03		<b>58.28</b>	47.75	37.42	34.24	43.31	<b>15.03</b>	39.91	40.40				
maya-02		<b>283.64</b>	212.05	149.21	108.33	165.87	<b>25.37</b>	168.00	166.70				
proe-04		<b>70.91</b>	61.96	42.92	39.33	45.67	<b>10.28</b>	40.98	41.04				
SW-01		152.41	132.68	67.98	59.75	90.01	<b>17.19</b>	81.50	82.03				
tcvis-01		<b>47.71</b>	39.44	21.42	19.19	28.34	<b>4.48</b>	23.93	23.91				
ugnx-01		<b>39.60</b>	33.64	19.85	18.11	30.91	<b>4.18</b>	24.34	24.34				
SPECapc SolidWorks	lower												
Score	seconds	<b>175.72</b>	n/a	182.63	n/a	187.27	n/a	192.92	<b>194.23</b>				
Graphics	seconds	<b>58.99</b>	n/a	62.16	n/a	60.87	n/a	68.10	<b>69.82</b>				
CPU	seconds	<b>37.62</b>	n/a	39.99	n/a	<b>44.40</b>	n/a	43.81	43.21				
I/O	seconds	<b>83.48</b>	n/a	83.69	n/a	<b>96.66</b>	n/a	85.57	86.14				
SPECapc SolidWorks	higher												
Score	ratio	<b>4.75</b>	n/a	<b>4.75</b>	n/a	4.47	n/a	4.29	<b>4.24</b>				
Graphics	ratio	3.09	n/a	<b>3.26</b>	n/a	3.15	n/a	2.86	<b>2.78</b>				
CPU	ratio	<b>8.58</b>	n/a	<b>8.07</b>	n/a	<b>7.27</b>	n/a	7.37	7.47				
I/O	ratio	<b>3.79</b>	n/a	<b>3.78</b>	n/a	<b>3.65</b>	n/a	3.70	3.67				
Autodesk Render Test	lower												
Time	seconds	168.33	180.16	318.40	<b>324.60</b>	<b>162.00</b>	291.60	319.40	317.60				

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