

Design Engineering Mobile Workstations Compared														
		Eurocom Panther 3.0 mobile workstation (3.46GHz Intel Xeon 5690 six-core CPU, NVIDIA Quadro 5010M, 12GB RAM)		Eurocom D900F Panther mobile workstation (3.3GHz Intel Xeon X5680 six-core CPU, NVIDIA Quadro FX 3800M, 12GB RAM)		HP Elitebook 8540w mobile workstation with DreamColor display (1.60GHz Intel Core i7 QM720 quadcore CPU, NVIDIA Quadro FX 1800M, 8GB RAM)		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)	Lenovo ThinkPad W700 mobile workstation (2.53GHz Intel Core 2 Quad Core Q9300 CPU, NVIDIA Quadro FX3700M, 4GB RAM)	
Price as tested		\$8,027		\$7,467		\$3,657		\$4,430		\$2,822		\$3,524	\$4,549	
Date tested		8/20/11		1/14/11		12/13/10		4/23/10		12/18/08		10/22/08	10/22/08	
Operating System		Windows 7		Windows XP	Windows 7	Windows XP	Windows 7	Windows XP	Windows 7	Windows XP	Windows Vista	Windows XP		Windows Vista
SPECviewperf	higher													
3dsmax-04		74.50	75.97	79.11	43.31	56.10	49.56	52.35	33.38	32.21		34.23	12.12	
catia-02		95.31	85.23	82.83	53.08	59.43	64.31	61.72	42.41	39.75		45.01	13.64	
ensight-03		101.50	66.02	60.10	41.52	41.05	58.28	47.75	37.42	34.24		43.31	15.03	
maya-02		407.09	290.35	236.55	204.12	159.95	283.64	212.05	149.21	108.33		165.87	25.37	
proe-04		95.73	84.84	77.09	57.51	57.06	70.91	61.96	42.92	39.33		45.67	10.28	
SW-01		198.76	178.01	163.34	109.6	102.93	152.41	132.68	67.98	59.75		90.01	17.19	
tcvis-01		91.18	47.36	42.28	29.84	27.15	47.71	39.44	21.42	19.19		28.34	4.48	
ugnx-01		86.62	43.18	39.34	27.75	28.10	39.60	33.64	19.85	18.11		30.91	4.18	
SPECcapc SolidWorks	lower													
Score	seconds	n/a	135.63	n/a	198.16	n/a	175.72	n/a	182.63	n/a		187.27	n/a	
Graphics	seconds	n/a	51.94	n/a	67.55	n/a	58.99	n/a	62.16	n/a		60.87	n/a	
CPU	seconds	n/a	29.22	n/a	45.42	n/a	37.62	n/a	39.99	n/a		44.40	n/a	
I/O	seconds	n/a	58.76	n/a	89.8	n/a	83.48	n/a	83.69	n/a		96.66	n/a	
SPECcapc SolidWorks	higher													
Score	ratio	n/a	5.66	n/a	4.08	n/a	4.75	n/a	4.75	n/a		4.47	n/a	
Graphics	ratio	n/a	3.61	n/a	2.69	n/a	3.09	n/a	3.26	n/a		3.15	n/a	
CPU	ratio	n/a	10.19	n/a	7.1	n/a	8.58	n/a	8.07	n/a		7.72	n/a	
I/O	ratio	n/a	5.14	n/a	3.53	n/a	3.79	n/a	3.78	n/a		3.65	n/a	
Autodesk Render Test	lower													
Time	seconds	53.3	57.16	51.83	188.5	146.81	168.33	180.16	318.4	324.60		162.00	291.60	
Battery Test	higher													
Time	hours:min	0:38	n/a	1:17	1:28	1:21	2:06	2:05	3:21	3:00		2:15	1:20	
Numbers in blue indicate best recorded results. Numbers in red indicate worst recorded results.														