

SPECint92 Benchmark Results

W. Bays, 23-Sep-92

From September SPEC Newsletter

	Vendor	Model	CPU	Cache	MHz	SPEC		Published
						int92	/MHz	
1	HP	897S	PA-RISC 7100		96	78.3	0.82	*
2	IBM	6000-980	POWER 6264	32KBI+64KBD	63	59.2	0.95	*
3	SGI	Crimson	R4000	8KB(I+D) + 1MB(I+D)	50	58.3	1.17	*
4	SGI	Indigo R4000	R4000	8KB(I+D) + 1MB(I+D)	50	57.6	1.15	Sep-92
5	Sun	SS-10 Model 41	SuperSPARC	20KBI+16KBD+1MB(I+D)	40	53.3	1.33	Sep-92
6	HP	700-750	PA-RISC 1.1	256KBI+256KBD	66	48.1	0.73	Mar-92
7	IBM	6000-970	POWER 5064	32KBI+64KBD	50	47.1	0.94	Sep-92
8	HP	800-877	PA-RISC 1.1	256KBI+256KBD	64	45.8	0.72	Mar-92
9	HP	800-867	PA-RISC 1.1	256KBI+256KBD	64	45.6	0.71	Mar-92
10	Sun	SS-10 Model 30	SuperSPARC	20KBI+16KBD	36	44.1	1.23	Sep-92
11	IBM	6000-560	POWER 5064	8KBI+64KBD	50	42.1	0.84	Mar-92
12	CDC	4680 infoserver	R6000A	64KBI+16KBD+512KB(I+D)	66	40.6	0.62	Mar-92
13	HP	700-720	PA-RISC 1.1	128KBI+256KBD	50	36.4	0.73	Mar-92
14	IBM	6000-550	POWER 4164	8KBI+64KBD	42	35.4	0.84	Mar-92
15	HP	800-837	PA-RISC 1.1	256KBI+256KBD	48	34.9	0.73	Mar-92
16	HP	800-857	PA-RISC 1.1	256KBI+256KBD	48	34.8	0.73	Mar-92
17	HP	800-847	PA-RISC 1.1	256KBI+256KBD	48	34.8	0.73	Mar-92
18	IBM	6000-350	POWER 4132	8KBI+32KBD	42	34.6	0.82	Mar-92
19	HP	700-710	PA-RISC 1.1	32KBI+64KBD	50	31.6	0.63	Mar-92
20	HP	800-827	PA-RISC 1.1	64KBI+64KBD	48	31.4	0.65	Mar-92
21	HP	800-817	PA-RISC 1.1	64KBI+64KBD	48	31.4	0.65	Mar-92
22	Intel	486DX50	80486DX	8KB(I+D) + 128KB(I+D)	50	30.1	0.60	Mar-92
23	IBM	6000-530H	POWER 3364	8KBI+64KBD	33	28.2	0.85	Mar-92
24	IBM	6000-340	POWER 3332	8KBI+32KBD	33	27.7	0.84	Mar-92
25	DEC	DECsystem 5900	R3000A	64KBI+64KBD	40	27.3	0.68	Jun-92
26	DEC	DECstation 240	R3000A	64KBI+64KBD	40	27.3	0.68	Jun-92
27	DG	AV 4605	88100	64KBI+32KBD	33	26.1	0.79	Jun-92
28	CDC	4360-300	R3000A	64KBI+64KBD	33	24.9	0.75	Mar-92
29	CDC	4330-300	R3000A	32KBI+32KBD	33	24.5	0.74	Mar-92
30	DG	AV 4600	88100	16KBI+16KBD	33	22.6	0.68	Mar-92
31	SGI	IRIS Indigo	R3000A	32KBI+32KBD	33	22.4	0.68	Jun-92
32	HP	700-705	PA-RISC 1.1	32KBI+64KBD	35	21.9	0.63	Mar-92
33	Sun	SPARCstation 2	CY7C601	64KB I+D	40	21.8	0.55	Jun-92
34	Sun	SPARCstation IPX	FJMB86903	64KB I+D	40	21.8	0.55	Mar-92
35	IBM	6000-520H	POWER 2532	8KBI+32KBD	25	20.9	0.84	Mar-92
36	IBM	6000-320H	POWER 2532	8KBI+32KBD	25	20.9	0.84	Mar-92
37	DEC	DECstation 33	R3000A	64KBI+128KBD	33	20.9	0.63	Sep-92
38	DG	AV 5225	88100	128KBI+128KBD	25	20.3	0.81	Mar-92
39	HP	800-807	PA-RISC 1.1	64KBI+32KBD	32	20.2	0.63	Mar-92
40	DG	AV 6240	88100	256KBI+256KBD	25	20.1	0.80	Mar-92
41	DEC	DECstation 133	R3000A	64KBI+128KBD	33	20.1	0.61	Jun-92
42	Compaq	Deskpro 4867/33L	486DX	8KB(I+D) + 128KB(I+D)	33	18.2	0.55	Sep-92
43	Sun	SPARCstation ELC	FJMB86903	64KB I+D	33	18.2	0.55	Mar-92
44	DG	AV4300	88100	16KBI+16KBD	25	17.4	0.70	Mar-92
45	DEC	DECstation 125	R3000A	64KBI+64KBD	25	16.0	0.64	Sep-92
46	IBM	6000-220	RSC3308	8KB I+D	33	15.9	0.48	Mar-92
47	Sun	SPARCstation LT	CY7C601	64KB I+D	25	15.3	0.61	Jun-92
48	Sun	SPARCstation IPC	LSIS1C0010	64KB I+D	25	13.8	0.55	Mar-92
49	DG	AV4100	88100	16KBI+16KBD	20	13.1	0.66	Mar-92

* Announced, not yet published in newsletter

SPECfp92 Benchmark Results

W. Bays, 23-Sep-92

From September SPEC Newsletter

	Vendor	Model	CPU	Cache	MHz	SPEC		Published
						fp92	/MHz	
1	HP	897S	PA-RISC 7100		96	141.6	1.48	*
2	IBM	6000-980	POWER 6264	32KBI+64KBD	63	124.8	2.00	*
3	IBM	6000-970	POWER 5064	32KBI+64KBD	50	93.6	1.87	Sep-92
4	IBM	6000-560	POWER 5064	8KBI+64KBD	50	85.5	1.71	Mar-92
5	HP	700-750	PA-RISC 1.1	256KBI+256KBD	66	75.0	1.14	Mar-92
6	IBM	6000-550	POWER 4164	8KBI+64KBD	42	71.7	1.71	Mar-92
7	Sun	SS-10 Model 41	SuperSPARC	20KBI+16KBD+1MB(I+D)	40	65.1	1.63	Sep-92
8	IBM	6000-350	POWER 4132	8KBI+32KBD	42	65.0	1.55	Mar-92
9	SGI	Crimson	R4000	8KB(I+D) + 1MB(I+D)	50	61.5	1.23	*
10	SGI	Indigo R4000	R4000	8KB(I+D) + 1MB(I+D)	50	60.3	1.21	Sep-92
11	HP	700-720	PA-RISC 1.1	128KBI+256KBD	50	58.2	1.16	Mar-92
12	IBM	6000-530H	POWER 3364	8KBI+64KBD	33	57.5	1.74	Mar-92
13	Sun	SS-10 Model 30	SuperSPARC	20KBI+16KBD	36	52.8	1.47	Sep-92
14	IBM	6000-340	POWER 3332	8KBI+32KBD	33	51.9	1.57	Mar-92
15	HP	700-710	PA-RISC 1.1	32KBI+64KBD	50	47.6	0.95	Mar-92
16	CDC	4680 Infoserver	R6000A 1.1	64KBI+64KBD+512KB(I+D)	60	45.1	0.75	Jun-92
17	IBM	6000-520H	POWER 2532	8KBI+32KBD	25	39.6	1.58	Mar-92
18	IBM	6000-320H	POWER 2532	8KBI+32KBD	25	39.4	1.58	Mar-92
19	DEC	VAX 6000 Mod 610	KA680	2MB I+D	83	39.2	0.47	Jun-92
20	HP	700-705	PA-RISC 1.1	32KBI+64KBD	35	33.0	0.94	Mar-92
21	DEC	VAX 4000 Mod 90	NVAX DC246	2KBI + 8KBD	71	30.2	0.43	Sep-92
22	DEC	DECsystem 5900	R3000A	64KBI+64KBD	40	29.9	0.75	Jun-92
23	DEC	DECstation 240	R3000A	64KBI+64KBD	40	29.9	0.75	Jun-92
24	CDC	4360-300	R3000A	64KBI+64KBD	33	26.7	0.81	Jun-92
25	SGI	IRIS Indigo	R3000A	32KBI+32KBD	33	24.2	0.73	Jun-92
26	CDC	4330-300	R3000A	32KBI+32KBD	33	23.9	0.72	Mar-92
27	DEC	DECstation 133	R3000A	64KBI+64KBD	33	23.5	0.71	Jun-92
28	DEC	DECstation 33	R3000A	64KBI+128KBD	33	23.4	0.71	Sep-92
29	IBM	6000-220	RSC3308	8KB I+D	33	22.9	0.69	Mar-92
30	Sun	SPARCstation 2	CY7C601	64KB I+D	40	22.7	0.57	Jun-92
31	Sun	SPARCstation IPX	FJMB86903	64KB I+D	40	21.5	0.54	Mar-92
32	Sun	SPARCstation ELC	FJMB86903	64KB I+D	33	17.9	0.54	Mar-92
33	DEC	DECstation 125	R3000A	64KBI+64KBD	25	17.5	0.70	Sep-92
34	Intel	486DX50	80486DX	8KBI+D +256KBE	50	14.0	0.28	Mar-92
35	Sun	SPARCstation LT	CY7C601	64KB I+D	25	13.7	0.55	Jun-92
36	DEC	VAX 6000 Mod 510	KA650	512KB I+D	62	13.3	0.21	Jun-92
37	Sun	SPARCstation IPC	LSIS1C0010	64KB I+D	25	11.1	0.44	Mar-92
38	DEC	VAX 4000 Mod 60	KA46	256KB(I+D)	56	10.4	0.19	Sep-92
39	Compaq	Deskpro 486/33L	486DX	8KB(I+D) + 128KB(I+D)	33	8.3	0.25	Sep-92
40	DEC	VAX 6000 Mod 410	KA640	128KB I+D	36	7.1	0.20	Jun-92

* Announced, not yet published in newsletter

SPECrate_int92 Benchmark Results

W. Bays, 23-Sep-92

From September SPEC Newsletter

							SPECrate	
	Vendor	Model	CPU	Cache	MHz	# CPU's	int92	Published
1	SNI	MX500-90/2	80486DX2	8KBI+D +512KB(I+D)	50	12	4870	Sep-92
2	HP	890/400	PA-RISC 1.1	2MBI+2MBD	60	4	4301	Sep-92
3	SNI	MX500-90/2	80486DX2	8KBI+D +512KB(I+D)	50	8	3474	Sep-92
4	HP	890/300	PA-RISC 1.1	2MBI+2MBD	60	3	3306	Sep-92
5	DG	AV 6280	88100	64KBI+64KBD+512KB(I+D)	25	8	3245	Sep-92
6	HP	870/400	PA-RISC 1.1	512KBI+512KBD	50	4	2479	Jun-92
7	HP	890/200	PA-RISC 1.1	2MBI+2MBD	60	2	2253	Sep-92
8	HP	870/300	PA-RISC 1.1	512KBI+512KBD	50	3	2051	Jun-92
9	SNI	MX500-90/2	80486DX2	8KBI+D +512KB(I+D)	50	4	1919	Sep-92
10	HP	897S	PA-RISC 7100		96	1	1857	Comp.
11	Sun	600MP-140	CY7C601	64KB I+D	40	4	1847	Sep-92
12	DG	AV 6240	88100	64KBI+64KBD	25	4	1591	Jun-92
13	HP	870/200	PA-RISC 1.1	512KBI+512KBD	50	2	1515	Jun-92
14	IBM	6000-980	POWER 6264	32KBI+64KBD	63	1	1404	Comp.
15	SGL	Crimson	R4000	8KB + 1MB(I+D)	50	1	1383	Comp.
16	Sun	SS-10 Model 41	SuperSPARC	20KBI+16KBD+1MB(I+D)	40	1	1263	Sep-92
17	HP	890/100	PA-RISC 1.1	2MBI+2MBD	60	1	1215	Sep-92
18	HP	867S	PA-RISC 1.1	256KBI+256KBD	64	1	1201	Sep-92
19	HP	700-750	PA-RISC 1.1	256KBI+256KBD	66	1	1141	Comp.
20	IBM	6000-970	POWER 5064	32KBI+64KBD	50	1	1117	Comp.
21	DG	AV/4625	88100	64KBI+32KBD	33	2	1098	Jun-92
22	Sun	SS-10 Model 30	SuperSPARC	20KBI+16KBD	36	1	1046	Sep-92
23	Sun	600MP-120	CY7C601	64KB I+D	40	2	1043	Sep-92
24	IBM	6000-560	POWER 5064	8KBI+64KBD	50	1	999	Comp.
25	DG	AV/4620	88100	16KBI+16KBD	33	2	933	Jun-92
26	HP	837S	PA-RISC 1.1	256KBI+256KBD	48	1	890	Sep-92
27	HP	700-720	PA-RISC 1.1	128KBI+256KBD	50	1	863	Comp.
28	IBM	6000-550	POWER 4164	8KBI+64KBD	42	1	840	Comp.
29	HP	870/100	PA-RISC 1.1	512KBI+512KBD	50	1	835	Jun-92
30	IBM	6000-350	POWER 4132	8KBI+32KBD	42	1	821	Comp.
31	HP	817S	PA-RISC 1.1	32KBI+64KBD	48	1	816	Sep-92
32	HP	700-710	PA-RISC 1.1	32KBI+64KBD	50	1	750	Comp.
33	Intel	486DX50	80486DX	8KBI+D +256KBE	50	1	714	Comp.
34	IBM	6000-530H	POWER 3364	8KBI+64KBD	33	1	669	Comp.
35	IBM	6000-340	POWER 3332	8KBI+32KBD	33	1	657	Comp.
36	DEC	DECsystem 5900	R3000A	64KBI+64KBD	40	1	648	Comp.
37	DEC	DECstation 240	R3000A	64KBI+64KBD	40	1	648	Comp.
38	DG	AV 4605	88100	64KBI+32KBD	33	1	619	Comp.
39	DG	AV 4600	88100	16KBI+16KBD	33	1	536	Comp.
40	SGL	IRIS Indigo	R3000A	32KBI+32KBD	33	1	531	Comp.
41	HP	807S	PA-RISC 1.1	32KBI+64KBD	32	1	523	Sep-92
42	HP	700-705	PA-RISC 1.1	32KBI+64KBD	35	1	519	Comp.
43	Sun	SPARCstation 2	CY7C601	64KB I+D	40	1	517	Sep-92
44	Sun	SPARCstation IPX	FJMB86903	64KB I+D	40	1	517	Comp.
45	IBM	6000-320H	POWER 2532	8KBI+32KBD	25	1	496	Comp.
46	DEC	DECstation 133	R3000A	64KBI+128KBD	33	1	477	Comp.
47	Sun	SPARCstation ELC	FJMB86903	64KB I+D	33	1	432	Comp.
48	IBM	6000-220	RSC3308	8KB I+D	33	1	377	Comp.
49	Sun	SPARCstation LT	CY7C601	64KB I+D	25	1	363	Comp.
50	Sun	SPARCstation IPC	LSIS1C0010	64KB I+D	25	1	327	Comp.

Note: Comp. - computed from SPECint92 results. These are NOT reported SPECrate_int92 results and may NOT be represented as such. For SPECrate you may run any number of concurrent jobs. This computation assumes 1 job is optimum for a 1-CPU system. A vendor may demonstrate slightly higher performance by appropriate tuning of number of jobs. Sun uses 1 job on 1 CPU for all benchmarks.

SPECrate_fp92 Benchmark Results

W. Bays, 23-Sep-92

From September SPEC Newsletter

								SPECrate	
	Vendor	Model	CPU	Cache	MHz	# CPU's	fp92	Published	
1	HP	890	PA-RISC 1.1	2MBI+2MBD	60	4	4685	Sep-92	
2	HP	890	PA-RISC 1.1	2MBI+2MBD	60	3	3529	Sep-92	
3	HP	897S	PA-RISC 7100		96	1	3359	Comp.	
4	IBM	6000-980	POWER 6264	32KBI+64KBD	63	1	2960	Comp.	
5	HP	890	PA-RISC 1.1	2MBI+2MBD	60	2	2360	Sep-92	
6	CDC	4680 Infoserver	R6000A 1.1	64KBI+64KBD+512KBE	60	2	2232	Jun-92	
7	IBM	6000-970	POWER 5064	32KBI+64KBD	50	1	2220	Comp.	
8	IBM	6000-560	POWER 5064	8KBI+64KBD	50	1	2028	Comp.	
9	HP	867S	PA-RISC 1.1	256KBI+256KBD	64	1	1937	Sep-92	
10	Sun	600MP-140	CY7C601	64KB I+D	40	4	1930	Sep-92	
11	HP	700-750	PA-RISC 1.1	256KBI+256KBD	66	1	1779	Comp.	
12	IBM	6000-550	POWER 4164	8KBI+64KBD	42	1	1701	Comp.	
13	Sun	SS-10 Model 41	SuperSPARC	20KBI+16KBD+1MB(I+D)	40	1	1544	Sep-92	
14	IBM	6000-350	POWER 4132	8KBI+32KBD	42	1	1542	Comp.	
15	HP	837S	PA-RISC 1.1	256KBI+256KBD	48	1	1483	Sep-92	
16	SGI	Crimson	R4000	8KB + 1MBE	50	1	1459	Comp.	
17	HP	700-720	PA-RISC 1.1	128KBI+256KBD	50	1	1381	Comp.	
18	IBM	6000-530H	POWER 3364	8KBI+64KBD	33	1	1364	Comp.	
19	HP	817S	PA-RISC 1.1	64KBI+64KBD	48	1	1335	Sep-92	
20	Sun	SS-10 Model 30	SuperSPARC	20KBI+16KBD	36	1	1253	Sep-92	
21	IBM	6000-340	POWER 3332	8KBI+32KBD	33	1	1231	Comp.	
22	HP	890	PA-RISC 1.1	2MBI+2MBD	60	1	1180	Sep-92	
23	CDC	4680 Infoserver	R6000A 1.1	64KBI+64KBD+512KBE	60	1	1130	Jun-92	
24	HP	700-710	PA-RISC 1.1	32KBI+64KBD	50	1	1129	Comp.	
25	Sun	600MP-120	CY7C601	64KB I+D	40	2	1066	Sep-92	
26	IBM	6000-520H	POWER 2532	8KBI+32KBD	25	1	939	Comp.	
27	IBM	6000-320H	POWER 2532	8KBI+32KBD	25	1	935	Comp.	
28	DEC	VAX 6000 Mod 610	KA680	2MB I+D	83	1	930	Comp.	
29	HP	807S	PA-RISC 1.1	32KBI+64KBD	32	1	876	Sep-92	
30	HP	700-705	PA-RISC 1.1	32KBI+64KBD	35	1	783	Comp.	
31	DEC	DECstation 240	R3000A	64KBI+64KBD	40	1	709	Comp.	
32	DEC	DECsystem 5900	R3000A	64KBI+64KBD	40	1	709	Comp.	
33	CDC	4360-300	R3000A	64KBI+64KBD	33	1	633	Comp.	
34	SGI	IRIS Indigo	R3000A	32KBI+32KBD	33	1	574	Comp.	
35	CDC	4330-300	R3000A	32KBI+32KBD	33	1	567	Comp.	
36	DEC	DECstation 133	R3000A	64KBI+64KBD	33	1	557	Comp.	
37	IBM	6000-220	RSC3308	8KB I+D	33	1	543	Comp.	
38	Sun	SPARCstation 2	CY7C601	64KB I+D	40	1	537	Sep-92	
39	Sun	SPARCstation IPX	FJMB86903	64KB I+D	40	1	510	Comp.	
40	Sun	SPARCstation ELC	FJMB86903	64KB I+D	33	1	425	Comp.	
41	DEC	DECstation 25	R3000A	64KBI+64KBD	25	1	415	Comp.	
42	DEC	DECstation 20	R3000A	64KBI+64KBD	20	1	351	Comp.	
43	Intel	486DX50	80486DX	8KBI+D +256KBE	50	1	332	Comp.	
44	Sun	SPARCstation LT	CY7C601	64KB I+D	25	1	325	Comp.	
45	DEC	VAX 6000 Mod 510	KA650	512KB I+D	62	1	315	Comp.	
46	Sun	SPARCstation IPC	LSIS1C0010	64KB I+D	25	1	263	Comp.	
47	DEC	VAX 6000 Mod 410	KA640	128KB I+D	36	1	168	Comp.	

Note: Comp. - computed from SPECfp92 results. These are NOT reported SPECrate_fp92 results and may NOT be represented as such. For SPECrate you may run any number of concurrent jobs. This computation assumes 1 job is optimum for a 1-CPU system. A vendor may demonstrate slightly higher performance by appropriate tuning of number of jobs. Sun uses 1 job on 1 CPU for all benchmarks.

SPECmark89 Benchmark Results

W. Bays, 23-Sep-92

From September SPEC Newsletter

	Vendor	Model	CPU	Cache	MHz	SPEC mark89	/MHz	Published
1	IBM	6000-970	POWER 5064	32KBI + 64KBD	50	100.3	2.01	Jun-92
2	IBM	6000-560	POWER 5064	8KBI+64KBD	50	89.3	1.79	Mar-92
3	HP	700-750	PA-RISC 1.1	256KBI+256KBD	66	77.5	1.17	Sep-91
4	IBM	6000-550	POWER 4164	8KBI+64KBD	42	75.9	1.81	Mar-92
5	IBM	6000-350	POWER 4132	8KBI+32KBD	42	71.4	1.70	Mar-92
6	Sun	SS-10 Model 41	SuperSPARC	20KBI+16KBD+1MBE	40	71.2	1.78	INTERNAL
7	SGI	Crimson	R4000	8KBI+D + 1MBE	50	70.4	1.41	Jun-92
8	IBM	6000-530H	POWER 3364	8KBI+64KBD	33	59.9	1.82	Mar-92
9	Sun	SS-10 Model 30	SuperSPARC	20KBI+16KBD	36	57.3	1.59	INTERNAL
10	IBM	6000-340	POWER 3332	8KBI+32KBD	33	56.6	1.72	Mar-92
11	HP	700-710	PA-RISC 1.1	32KBI+64KBD	50	49.7	0.99	Mar-92
12	IBM	6000-520H	POWER 2532	8KBI+32KBD	25	43.5	1.74	Mar-92
13	IBM	6000-320H	POWER 2532	8KBI+32KBD	25	43.4	1.74	Mar-92
14	DEC	VAX 6000 Mod 610	KA680	2MB I+D	83	42.1	0.51	Jun-92
15	Ingr	InterServe 6605	C411/C421	128KB I+D	40	40.0	1.00	Mar-92
16	HP	700-705	PA-RISC 1.1	32KBI+64KBD	35	34.6	0.99	Mar-92
17	DEC	DECst. 5000-240	R3000A	64KBI+64KBD	40	32.4	0.81	Mar-92
18	Intel	486DX50	80486DX	8KBI+D +256KBE	50	31.4	0.63	Mar-92
19	DEC	VAX 4000 Mod 500	KA680	128KB I+D	71	30.7	0.43	Jun-92
20	IBM	6000-220	RSC3308	8KB I+D	33	25.9	0.78	Mar-92
21	DEC	DECsystem 5900	R3000A	64KBI+64KBD	40	25.5	0.64	Mar-92
22	DEC	DECst. 5000-133	R3000A	64KBI+128KBD	33	25.5	0.77	Mar-92
23	Sun	SPARCstation 2	CY7C601	64KB I+D	40	25.0	0.62	Dec-91
24	Sun	SPARCstation IPX	FJMB86903	64KB I+D	40	24.4	0.61	Dec-91
25	Sun	SPARCstation ELC	FJMB86903	64KB I+D	33	20.3	0.62	Dec-91
26	Compaq	486/50L	80486	8KBI+D +256KBE	50	19.3	0.39	Sep-91
27	DEC	DECstation 25	R3000A	64KBI+64KBD	25	19.1	0.76	Mar-92
28	DG	AV 530	88100	16KBI+16KBD	33	18.2	0.55	Dec-91
29	SNI	MX300-60/5	80486	8KBI+D +256KBE	50	17.0	0.34	Mar-92
30	Sun	SPARCstation LT	CY7C601	64KB I+D	25	16.7	0.67	Jun-92
31	DEC	DECstation 20	R3000A	64KBI+64KBD	20	16.3	0.82	Mar-92
32	DEC	VAX 6000 Mod 510	KA650	512KB I+D	62	15.6	0.25	Jun-92
33	Sun	SPARCstation IPC	LSIS1C0010	64KB I+D	25	13.5	0.54	Sep-91
34	DEC	VAX 4000 Mod 300	KA670	128KB I+D	36	9.2	0.26	Jun-92
35	SNI	Targon/31-25	68040	4KBI+4KBD	25	8.8	0.35	Dec-91
36	DEC	VAX 6000 Mod 410	KA640	128KB I+D	36	8.5	0.24	Jun-92
37	DEC	VAX 4000 Mod 200	KA660	6KB I+D	29	5.6	0.20	Jun-92

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