

Year	Computer	Add Time	Calc/s	Cost	Cost (1998)	Inflation	C/s/\$1000	log c/s/k
1900	Analytical Engine	9.00E+00	1.11E-01	\$ 1,000,000	\$ 19,087,000	19.087	5.8213E-06	-5.2349802
1908	Hollerith Tabulator	5.00E+01	2.00E-02	\$ 9,000	\$ 154,000	17.11111111	0.00012987	-3.8864907
1911	Monroe Calculator	3.00E+01	3.33E-02	\$ 35,000	\$ 576,000	16.4571429	5.787E-05	-4.2375437
1919	IBM Tabulator	5.00E+00	2.00E-01	\$ 20,000	\$ 188,000	9.4	0.00106383	-2.9731279
1928	National ellis 3000	1.00E+01	1.00E-01	\$ 15,000	\$ 143,000	9.53333333	0.0006993	-3.155336
1939	Zuse 2	1.00E+00	1.00E+00	\$ 10,000	\$ 117,000	11.7	0.00854701	-2.0681859
1940	Bell Calculator Model 1	3.00E-01	3.33E+00	\$ 20,000	\$ 233,000	11.65	0.01430615	-1.8444772
1941	Zuse 3	3.00E-01	3.33E+00	\$ 6,500	\$ 72,000	11.0769231	0.0462963	-1.3344538
1943	Colossus	2.00E-04	5.00E+03	\$ 100,000	\$ 942,000	9.42	5.30785563	0.7249191
1946	ENIAC	2.00E-04	5.00E+03	\$ 750,000	\$ 6,265,000	8.35333333	0.7980846	-0.0979511
1948	IBM SSEC	8.00E-04	1.25E+03	\$ 500,000	\$ 3,380,000	6.76	0.36982249	-0.4320067
1949	BINAC	2.86E-04	3.50E+03	\$ 278,000	\$ 1,903,000	6.84532374	1.8373639	0.26419518
1949	EDSAC	1.40E-03	7.14E+02	\$ 100,000	\$ 684,000	6.84	1.04427736	0.01881586
1951	Univac I	1.20E-04	8.33E+03	\$ 930,000	\$ 5,827,000	6.2655914	1.43012413	0.15537374
1953	Univac 1103	3.00E-05	3.33E+04	\$ 895,000	\$ 5,461,000	6.10167598	6.10388818	0.78560657
1953	IBM 701	6.00E-05	1.67E+04	\$ 230,000	\$ 1,403,000	6.1	11.8793062	1.07479108
1954	EDVAC	9.00E-04	1.11E+03	\$ 500,000	\$ 3,028,000	6.056	0.36694555	-0.4353984
1955	Whirlwind	5.00E-05	2.00E+04	\$ 200,000	\$ 1,216,000	6.08	16.4473684	1.21609642
1955	IBM 704	2.40E-05	4.17E+04	\$ 1,994,000	\$ 12,120,000	6.0782347	3.43784378	0.53628614
1958	Datamatic 1000	2.50E-04	4.00E+03	\$ 2,179,100	\$ 12,283,000	5.63673076	0.32565334	-0.4872445
1958	Univac II	2.00E-04	5.00E+03	\$ 970,000	\$ 5,468,000	5.6371134	0.91441112	-0.0388585
1959	Mobidic	1.60E-05	6.25E+04	\$ 1,340,000	\$ 7,501,000	5.59776119	8.33222237	0.92076085
1959	IBM 7090	4.00E-06	2.50E+05	\$ 3,000,000	\$ 16,794,000	5.598	14.8862689	1.17278586
1960	IBM 1620	6.00E-04	1.67E+03	\$ 200,000	\$ 1,101,000	5.505	1.51377536	0.18006143
1960	DEC PDP-1	1.00E-05	1.00E+05	\$ 120,000	\$ 660,000	5.5	151.515152	2.18045606
1961	DEC PDP-4	1.00E-05	1.00E+05	\$ 65,000	\$ 354,000	5.44615385	282.485876	2.45099674
1962	Univac III	9.00E-06	1.11E+05	\$ 700,000	\$ 3,776,000	5.39428571	29.4256121	1.4687255
1964	CDC 6600	2.00E-07	5.00E+06	\$ 6,000,000	\$ 31,529,000	5.25483333	158.584161	2.20025981
1965	IBM 1130	8.00E-06	1.25E+05	\$ 50,000	\$ 259,000	5.18	482.625483	2.68361025
1965	DEC PDP-8	6.00E-06	1.67E+05	\$ 18,000	\$ 93,000	5.16666667	1792.1147	3.2533658
1966	IBM 360 Model 75	8.00E-07	1.25E+06	\$ 5,000,000	\$ 25,139,000	5.0278	49.7235371	1.69656202
1968	DEC PDP-10	2.00E-06	5.00E+05	\$ 500,000	\$ 2,341,000	4.682	213.583938	2.32956859
1973	Intellec-8	1.56E-04	6.41E+03	\$ 2,398	\$ 8,798	3.66889074	728.60382	2.86249144
1973	Data General Nova	2.00E-05	5.00E+04	\$ 4,000	\$ 14,700	3.675	3401.36054	3.53165267
1975	Altair 8800	1.56E-05	6.41E+04	\$ 2,000	\$ 6,056	3.028	10584.9677	4.02468954
1976	DEC PDP-11 Model 70	3.00E-06	3.33E+05	\$ 150,000	\$ 429,000	2.86	777.000777	2.89042145
1977	Cray 1	1.00E-08	1.00E+08	\$ 10,000,000	\$ 26,881,000	2.6881	3720.0997	3.57055458
1977	Apple II	1.00E-05	1.00E+05	\$ 1,300	\$ 3,722	2.86307692	26867.2757	4.42922363
1979	DEC VAX 11 Model 780	2.00E-06	5.00E+05	\$ 200,000	\$ 449,000	2.245	1113.58575	3.04672366
1980	Sun-1	3.00E-06	3.33E+05	\$ 30,000	\$ 59,300	1.97666667	5621.13547	3.74982405
1982	IBM PC	1.56E-06	6.41E+05	\$ 3,000	\$ 5,064	1.688	126584.842	5.1023817
1982	Compaq Portable	1.56E-06	6.41E+05	\$ 3,000	\$ 5,064	1.688	126584.842	5.1023817
1983	IBM AT 80286	1.25E-06	8.00E+05	\$ 5,669	\$ 9,272	1.63556183	86281.277	4.93591656
1984	Apple Macintosh	3.00E-06	3.33E+05	\$ 2,500	\$ 3,920	1.568	85034.0136	4.92959268
1986	Compaq Deskpro 386	2.50E-07	4.00E+06	\$ 5,000	\$ 7,432	1.4864	538213.132	5.73095429
1987	Apple Macintosh II	1.00E-06	1.00E+06	\$ 3,000	\$ 4,300	1.43333333	232558.14	5.36653154
1993	Pentium PC	1.00E-07	1.00E+07	\$ 2,500	\$ 2,818	1.1272	3548616.04	6.55005901
1996	Pentium PC	1.00E-08	1.00E+08	\$ 2,000	\$ 2,080	1.04	48076923.1	7.68193667
1998	Pentium II PC	5.00E-09	2.00E+08	\$ 1,500	\$ 1,500	1	133333333	8.12493874
2000	AMD Athlon PC	1.00E-09	3.00E+09	\$ 3,000	\$ 2,885		1040000000	9.01703334