

# 8086 Super-micro

8 Mhz. - 16-bit - S-100 bus - 128K 70 nsec. RAM

Computer Benchmarks - All systems running the same BASIC program.

| Manufacture - Model         | Class     | Operating System | Language (Type*)     | Run Time (Seconds) |
|-----------------------------|-----------|------------------|----------------------|--------------------|
| IBM 3033                    | Mainframe | VS2-10RVYL       | Stanford BASIC       | 10                 |
| Seattle Computer System 2   | Micro     | MS-DOS           | Microsoft BASIC (C)  | 33                 |
| Digital Equipment PDP 11/70 | Mini      | n/a              | BASIC (I)            | 45                 |
| Prime 550                   | Mainframe | PRIMOS           | BASIC V16.4 (I)      | 63                 |
| Digital Equipment PDP-10    | Mainframe | TOPS-10          | BASIC (I)            | 65                 |
| IBM System 34               | Mainframe | Release 05       | BASIC (I)            | 129                |
| TEI System 48               | Micro     | MAGIC 1.0        | Microsoft BASIC (C)  | 178                |
| Hewlett-Packard HP3000      | Mini      | Time Share       | BASIC (I)            | 250                |
| Seattle Computer System 2   | Micro     | MS-DOS           | Microsoft BASIC (I)  | 310                |
| Alpha Micro AM-100/T        | Micro     | AMOS 4.3a        | Alpha BASIC (SC)     | 317                |
| Digital Equipment PDP 11/45 | Mini      | n/a              | BASIC (I)            | 330                |
| Data General NOVA 3         | Mini      | Time Share       | BASIC 5.32           | 517                |
| Ohio Scientific C4-P        | Micro     | OS65D 3.2        | Level 1 BASIC (I)    | 680                |
| North Star Floating Point   | Micro     | NSDOS            | NorthStar BASIC (I)  | 685                |
| Radio Shack TRS-80 II       | Micro     | TRSDOS 1.2       | BASIC (I)            | 792                |
| Apple II +                  | Micro     | DOS 3.2          | Applesoft II (I)     | 960                |
| Cromemco System 3           | Micro     | CDOS             | 32K BASIC (I)        | 1074               |
| Commodore Pet 2001          | Micro     | n/a              | Microsoft BASIC (I)  | 1374               |
| IBM 5100                    | Micro     | n/a              | BASIC (I)            | 1951               |
| Vector MZ                   | Micro     | n/a              | Micropolis BASIC (I) | 2251               |

\* C = Compiler; I = Interpreter. Times (except for Seattle Computer) taken from August 1981 issue of Interface Age.

Seattle Computer System 2 consists of 8 Mhz. 8086 CPU set, 128K of 70 nsec. static RAM, double-density disk controller, 22-slot TEI constant voltage mainframe, a cable for two 8' drives, and MS-DOS operating system (also called 86-DOS, IBM PC-DOS, Lifeboat SB-86). The system is fully assembled and tested and ready to run with the addition of disk drives (we can supply) and terminal. Price: \$4185. 8087 Adapter also available.

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## Software

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- BASIC-86 Compiler ..... \$400
- Fortran-86 ..... \$600
- Pascal-86 ..... \$600
- Cobol-86 ..... \$900
- Macro-86 Assembler ..... \$300

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