



CINT2000 Result

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Intel Corporation

Intel D850EMVR motherboard (2.8 GHz, Pentium 4 processor)

SPECint2000 = 1040

SPECint_base2000 = 1032

SPEC license #: 13 Tested by: Intel Corporation Test date: Jul-2002 Hardware Avail: Oct-2002 Software Avail: Apr-2002

| Benchmark | Reference Time | Base Runtime | Base Ratio | Runtime | Ratio |
|-------------|----------------|--------------|------------|---------|-------|
| 164.gzip | 1400 | 123 | 1135 | 123 | 1141 |
| 175.vpr | 1400 | 217 | 646 | 217 | 646 |
| 176.gcc | 1100 | 90.9 | 1211 | 90.6 | 1214 |
| 181.mcf | 1800 | 238 | 757 | 238 | 757 |
| 186.crafty | 1000 | 93.3 | 1072 | 94.2 | 1062 |
| 197.parser | 1800 | 180 | 999 | 180 | 999 |
| 252.eon | 1300 | 107 | 1213 | 97.6 | 1333 |
| 253.perlbmk | 1800 | 142 | 1271 | 142 | 1272 |
| 254.gap | 1100 | 80.4 | 1368 | 80.4 | 1367 |
| 255.vortex | 1900 | 113 | 1683 | 113 | 1683 |
| 256.bzip2 | 1500 | 181 | 827 | 181 | 828 |
| 300.twolf | 3000 | 436 | 688 | 435 | 689 |

Hardware

CPU: Pentium 4 processor (2.8 GHz, 533 MHz bus)
CPU MHz: 2800
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 1 core/chip
CPU(s) orderable: 1
Parallel: No
Primary Cache: 12k micro-ops I + 8KBD on chip
Secondary Cache: 512KB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 256 MB (2 128 MB PC1066-32 RDRAM non-ECC modules)
Disk Subsystem: IBM 120GXP 80 GB IC35L080AVVA07-0 ATA-100
Other Hardware: None

Software

Operating System: Windows XP Professional(Build 2600)
Compiler: Intel C++ Compiler 6.0 Build 020321Z
Intel Fortran Compiler 6.0 Build 020321Z
Microsoft Visual C++ 6.0 SP5(for libraries)
File System: FAT32
System State: Default

Notes/Tuning Information

+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use

Base tuning for C programs: -QxW -Qipo -O3 +FDO

Base tuning for C++ programs: -QxW -Qipo -GX -GR

Portability flags:

176.gcc: -Dalloca=_alloca /F10000000

186.crafty: -DNT_i386

253.perlbmk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT

254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO

Peak tuning:

164.gzip: -QxW -Qipo -Oa -O3 +FDO

175.vpr: -QxW -Qwp_ipo -O3 +FDO

176.gcc: -QxW -Qipo -O3 +FDO

181.mcf: -QxW -Qipo -O3 +FDO

186.crafty: -QxW -Qipo -Oa -O3 +FDO

197.parser: -QxW -Qipo -O3 +FDO

252.eon: -QxW -Qipo -O3 +FDO

253.perlbmk: -QxW -Qipo -O3 +FDO

254.gap: -QxW -Qipo -O3 +FDO

Tested systems can be used with Shin-G ATX case, Delta Inc. power supply PS-300GB-1 B

Product description located as of 10/2002:

Standard Performance Evaluation Corporation

info@spec.org

http://www.spec.org



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Notes/Tuning Information (Continued)

<http://developer.intel.com/design/motherbd/mv2/index.htm>

Motherboard ordering information is available at:

<http://program.intel.com/shared/products/boards/d850emv2/index.htm>

The system bus runs at 533 MHz