CINT2000 Result

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Intel Corporation

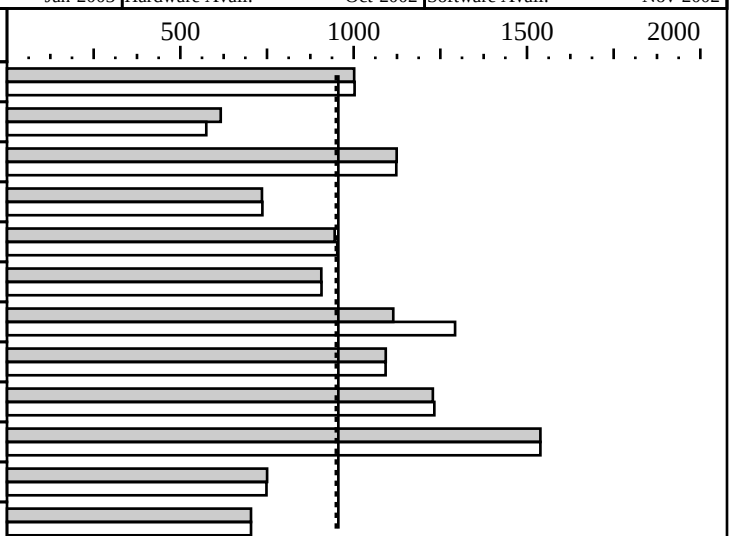
Intel D850EMVR motherboard (2.53 GHz, Pentium 4 processor)

SPECint2000 = 956

SPECint_base2000 = 949

SPEC license #: 13 | Tested by: Intel Corporation | Test date: Jan-2003 | Hardware Avail: Oct-2002 | Software Avail: Nov-2002

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	140	1001	140	1003
175.vpr	1400	227	617	244	575
176.gcc	1100	97.9	1124	98.0	1123
181.mcf	1800	245	735	244	737
186.crafty	1000	106	945	105	953
197.parser	1800	199	907	198	907
252.eon	1300	117	1114	101	1293
253.perlbmk	1800	165	1093	165	1092
254.gap	1100	89.5	1228	89.2	1233
255.vortex	1900	123	1539	123	1539
256.bzip2	1500	200	750	200	748
300.twolf	3000	426	704	426	704



Hardware

CPU:	Intel Pentium 4 Processor(2.53 GHz, 533 MHz bus)
CPU MHz:	2533
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:	512 MB (2 256 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) SP1
Compiler:	Intel C++ Compiler 7.0 Build 021018Z Microsoft Visual Studio .Net 7.0.9466(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.crafy: -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
255.vortex    basepeak=yes
256.bzip2:    -QxW -Qipo -Oa -O3 +FDO
```

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Notes/Tuning Information (Continued)

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300.twolf:    -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:
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
```