CINT2000 Result

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Intel Corporation

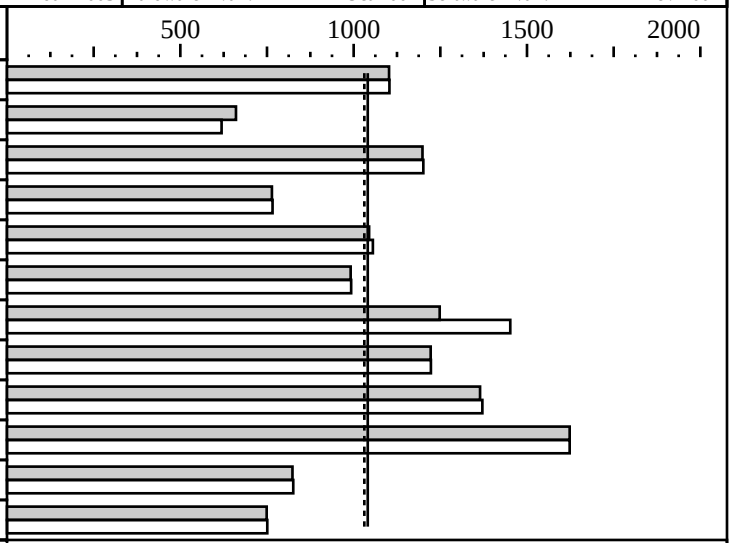
Intel D850EMVR motherboard (2.8 GHz, Pentium 4 processor)

SPECint2000 = 1041

SPECint_base2000 = 1031

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	127	1102	127	1103
175.vpr	1400	212	661	226	619
176.gcc	1100	91.8	1199	91.6	1201
181.mcf	1800	236	764	235	766
186.crafty	1000	95.7	1045	94.8	1055
197.parser	1800	182	991	181	993
252.eon	1300	104	1248	89.5	1452
253.perlbmk	1800	147	1222	147	1223
254.gap	1100	80.6	1365	80.2	1371
255.vortex	1900	117	1623	117	1623
256.bzip2	1500	182	823	182	826
300.twolf	3000	401	749	400	751



Hardware

CPU:	Intel 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:	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
```