CINT2000 Result

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Intel Corporation

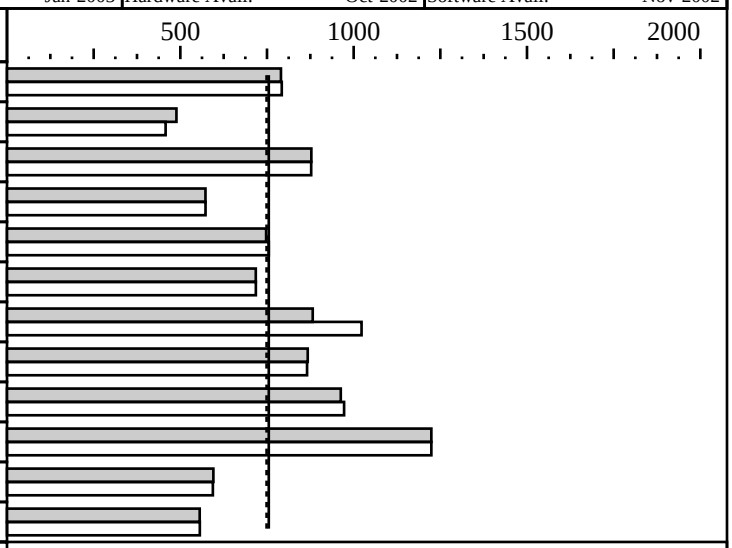
Intel D850EMVR motherboard (2.0A GHz, Pentium 4 processor)

SPECint2000 = 755

SPECint_base2000 = 749

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	177	790	177	793
175.vpr	1400	286	489	306	458
176.gcc	1100	125	878	125	877
181.mcf	1800	314	573	314	573
186.crafty	1000	134	747	132	755
197.parser	1800	251	718	251	718
252.eon	1300	147	882	127	1023
253.perlbmk	1800	208	867	208	866
254.gap	1100	114	963	113	972
255.vortex	1900	155	1224	155	1224
256.bzip2	1500	252	595	253	594
300.twolf	3000	540	556	539	556



Hardware

CPU:	Intel Pentium 4 Processor(2.0A GHz, 400 MHz bus)
CPU MHz:	2000
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 400 MHz
```