CINT2000 Result

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Intel Corporation

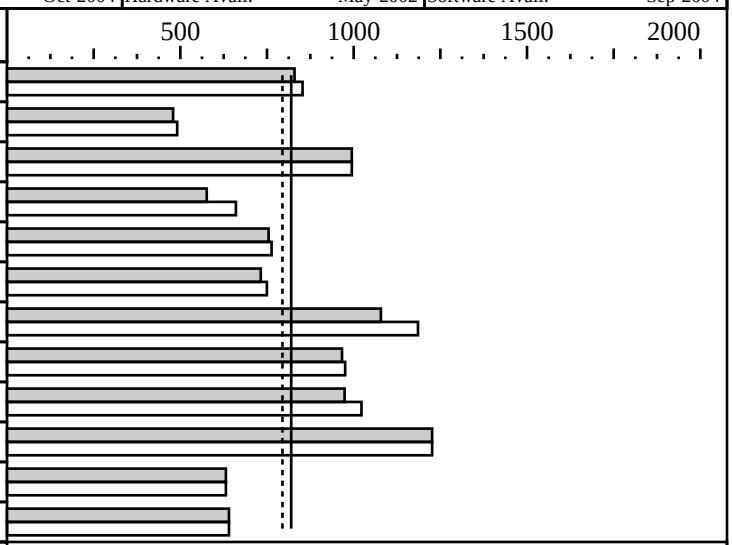
Intel D850EMV2 motherboard(2.0A GHz, Intel Pentium 4 processor)

SPECint2000 = 820

SPECint_base2000 = 795

SPEC license #: 13 | Tested by: Intel Corporation | Test date: Oct-2004 | Hardware Avail: May-2002 | Software Avail: Sep-2004

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	169	829	164	853
175.vpr	1400	292	479	285	491
176.gcc	1100	111	995	111	995
181.mcf	1800	312	576	273	660
186.crafty	1000	133	755	131	763
197.parser	1800	246	732	240	750
252.eon	1300	121	1079	110	1186
253.perlbmk	1800	186	966	185	975
254.gap	1100	113	974	108	1023
255.vortex	1900	155	1226	155	1226
256.bzip2	1500	238	631	238	631
300.twolf	3000	469	640	469	640



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:	256 MB (2 128 MB PC800-40 RDRAM non-ECC modules)
Disk Subsystem:	IBM 120GXP 80 GB IC35L080AVVA07-0 ATA-100
Other Hardware:	N/A

Software

Operating System:	Windows XP Professional SP2
Compiler:	Intel C++ Compiler 8.1 Build 20040802Z Microsoft Visual Studio .Net 2002(for libraries) SmartHeap Library Version 6.0 from http://www.microquill.com/
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen  PASS2=-Qprof_use
Base tuning for C programs:   -Qipo -QxN +FDO shlW32M.lib
Base tuning for C++ programs: -Qipo -QxN -Qcxx_features +FDO
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:     -O3 -Qipo -QxN -Qansi_alias -Oa  +FDO
175.vpr:      -O3 -Qipo -QxN -Qansi_alias +FDO
176.gcc:      basepeak=yes
181.mcf:      -O3 -Qipo -QxN -Qansi_alias +FDO
186.crafty:   -O3 -Qipo -QxN -Qansi_alias -Oa +FDO
197.parser:   -O3 -Qipo -QxN -Qansi_alias  +FDO
252.eon:      -O3 -Qipo -QxN +FDO
253.perlbmk:  -O3 -Qipo -QxN -Qansi_alias +FDO shlW32M.lib
254.gap:      -O3 -Qipo -QxN -Qunroll1 -Zp8 +FDO
255.vortex    basepeak=yes
256.bzip2:   basepeak=yes
```

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Notes/Tuning Information (Continued)

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300.twolf:   basepeak=yes
Tested systems can be used with Shin-G ATX case, Delta Inc. power supply PS-300GB-1 B
Product description located as of 11/2004:
http://support.intel.com/support/motherboards/desktop/d850emv2/index.htm
The system bus runs at 400 MHz
```