



CINT2000 Result

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Dell
PowerEdge 830 (3.4GHz Intel Pentium D 950)

SPECint_rate2000 = **38.1**
SPECint_rate_base2000 = **37.9**

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: Apr-2006 | Hardware Avail: Apr-2006 | Software Avail: Oct-2005

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	123	26.5	2	122	26.7
175.vpr	2	125	25.9	2	124	26.1
176.gcc	2	55.0	46.4	2	55.0	46.4
181.mcf	2	104	40.3	2	104	40.3
186.crafty	2	79.3	29.3	2	79.6	29.2
197.parser	2	127	32.8	2	127	32.8
252.eon	2	60.5	49.8	2	60.1	50.2
253.perlbnk	2	88.3	47.3	2	88.3	47.3
254.gap	2	61.7	41.4	2	61.2	41.7
255.vortex	2	68.3	64.5	2	68.3	64.5
256.bzip2	2	120	29.0	2	120	29.0
300.twolf	2	175	39.8	2	175	39.8

Hardware

CPU: Intel Pentium D 950 (3.4GHz, 2x2M L2, 800MHz system bus)
 CPU MHz: 3400
 FPU: Integrated
 CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip
 CPU(s) orderable: 1
 Parallel: No
 Primary Cache: 12K(I) micro-ops + 16KB(D) on chip, per core
 Secondary Cache: 2048KB(I+D) on chip, per core
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 4 x 1GB (dual-ranked) ECC 533MHz DDR2 SDRAM
 Disk Subsystem: 1 x 36GB SCSI 15000 RPM
 Other Hardware: None

Software

Operating System: Microsoft Windows Server 2003 Enterprise x64 Edition + SP1 (64-bit)
 Compiler: Intel C/C++ Compiler 9.0 for IA32(20051020Z)
 Microsoft Visual Studio .NET 2003(7.1.3088)
 MicroQuill SmartHeap Library 8.0
 File System: NTFS
 System State: Default

Notes/Tuning Information

GENERAL

ONESTEP=yes
 +FDO: PASS1=-Qprof_gen PASS2=-Qprof_use

PORTABILITY FLAGS

176.gcc: -Dalloca=_alloca /F10000000
 186.crafty: -DNT_i386
 253.perlbnk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
 254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO

BASE TUNING

C: -fast +FDO shlW32M.lib
 C++: -fast -Qcxx_features +FDO

PEAK TUNING

164.gzip: -fast +FDO
 175.vpr: -fast +FDO
 176.gcc: basepeak=yes
 181.mcf: basepeak=yes
 186.crafty: -fast -Oa +FDO shlW32M.lib
 197.parser: -fast +FDO
 252.eon: -fast +FDO
 253.perlbnk: basepeak=yes



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Notes/Tuning Information (Continued)

254.gap: -fast +FDO
255.vortex basepeak=yes
256.bzip2: -fast -Qunroll11 -Oa +FDO
300.twolf: basepeak=yes