



CINT2000 Result

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Dell
PowerEdge 830 (3.2GHz Intel dual-core Pentium D)

SPECint_rate2000 = 32.3
SPECint_rate_base2000 = 31.4

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: Jul-2005 | Hardware Avail: Aug-2005 | Software Avail: Nov-2004

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	131	24.9	2	131	24.7
175.vpr	2	154	21.1	2	154	21.1
176.gcc	2	65.6	38.9	2	65.6	38.9
181.mcf	2	174	24.0	2	174	24.0
186.crafty	2	85.3	27.2	2	84.3	27.5
197.parser	2	146	28.7	2	146	28.7
252.eon	2	64.5	46.8	2	64.8	46.6
253.perlbnk	2	108	38.5	2	96.6	43.2
254.gap	2	67.8	37.7	2	67.8	37.7
255.vortex	2	84.0	52.5	2	84.0	52.5
256.bzip2	2	152	22.9	2	151	23.0
300.twolf	2	238	29.3	2	193	36.2

Hardware

CPU: Intel dual-core Pentium D (3.2GHz, 2x1MB L2, 800MHz system bus)
CPU MHz: 3200
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: 1024KB(I+D) on chip, per core
L3 Cache: N/A
Other Cache: N/A
Memory: 4x1GB (dual-ranked) ECC 533MHz DDR2 SDRAM
Disk Subsystem: 1 x 36GB 15000RPM SCSI
Other Hardware: None

Software

Operating System: Windows 2003 Server, Standard Edition, Service Pack 1
Compiler: Intel C/C++ Compiler 8.1 for IA32 (20041119Z)
Microsoft Visual Studio .NET 2003(7.1.3088, for libraries)
MicroQuill SmartHeap Library 7.1
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
252.eon: srcalt=stdcpp
253.perlbnk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO

BASE TUNING

C: -fast -Qansi_alias +FDO
C++: -fast -Qcxx_features +FDO

PEAK TUNING

164.gzip: -fast -Qansi_alias -Oa +FDO
175.vpr: basepeak=yes
176.gcc: basepeak=yes
181.mcf: basepeak=yes
186.crafty: -fast -Oa +FDO shlw32M.lib
197.parser: basepeak=yes
252.eon: -fast +FDO



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Notes/Tuning Information (Continued)

```
253.perlbnk: -fast -Qansi_alias +FDO shlw32M.lib
254.gap:      basepeak=yes
255.vortex   -fast +FDO
256.bzip2:   -fast -Qunroll11 -Oa +FDO
300.twolf:   -fast +FDO shlw32M.lib
```