



CINT2000 Result

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Dell
PowerEdge 6850 (3.0GHz Intel Xeon Processor 7040)

SPECint_rate2000 = **105**
SPECint_rate_base2000 = **101**

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	8	151	86.1	8	149	87.0
175.vpr	8	195	66.8	8	195	66.8
176.gcc	8	77.1	132	8	75.1	136
181.mcf	8	347	48.1	8	336	49.8
186.crafty	8	91.4	102	8	91.2	102
197.parser	8	159	105	8	159	105
252.eon	8	71.8	168	8	68.7	176
253.perlbnk	8	126	132	8	108	155
254.gap	8	129	79.2	8	129	79.2
255.vortex	8	116	152	8	97.6	181
256.bzip2	8	176	79.0	8	177	78.7
300.twolf	8	199	140	8	197	141

Hardware

CPU: Intel Xeon processor 7040 (3.0GHz, 2x2MB L2, 667MHz system bus)
CPU MHz: 3000
FPU: Integrated
CPU(s) enabled: 8 cores, 4 chips, 2 cores/chip (Hyper-Threading Technology disabled)
CPU(s) orderable: 1,2,3,4
Parallel: No
Primary Cache: 12KB(I) + 16KB(D) on chip, per core
Secondary Cache: 2048KB(I+D) on chip, per core
L3 Cache: N/A
Other Cache: N/A
Memory: 8x2GB (dual-ranked) ECC 400MHz DDR2 SDRAM
Disk Subsystem: 1 x 36GB 15000RPM SCSI
Other Hardware: None

Software

Operating System: Windows Server 2003, Enterprise Edition, Service Pack 1
Compiler: Intel C/C++ Compiler 9.0 for IA32 (20050809)
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
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 +FDO
175.vpr: basepeak=yes
176.gcc: -fast +FDO shlw32m.lib
181.mcf: -fast +FDO shlw32m.lib
186.crafty: -fast -Oa +FDO shlw32m.lib
197.parser: basepeak=yes
252.eon: -fast +FDO
253.perlbnk: -fast -Qansi_alias +FDO shlw32m.lib



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Notes/Tuning Information (Continued)

```
254.gap:      basepeak=yes
255.vortex    -fast +FDO shlW32M.lib
256.bzip2:    -fast -Qunroll1 -Oa +FDO
300.twolf:    -fast +FDO shlW32M.lib
```

This result was measured on the Dell PowerEdge 6800.
The PowerEdge 6800 and PowerEdge 6850 are electronically equivalent.