



CINT2000 Result

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Dell
PowerEdge 6800 (3.0GHz Intel Xeon Processor 7041)

SPECint_rate2000 = 111
SPECint_rate_base2000 = 111

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	8	149	87.2	8	147	88.4
175.vpr	8	181	71.9	8	179	72.5
176.gcc	8	71.4	143	8	71.4	143
181.mcf	8	286	58.3	8	286	58.3
186.crafty	8	89.8	103	8	90.0	103
197.parser	8	155	108	8	155	108
252.eon	8	69.0	175	8	68.3	177
253.perlbnk	8	105	159	8	105	159
254.gap	8	111	92.1	8	111	91.8
255.vortex	8	91.1	194	8	91.1	194
256.bzip2	8	165	84.3	8	166	84.1
300.twolf	8	198	141	8	198	141

Hardware

CPU: Intel Xeon processor 7041 (3.0GHz, 2x2MB L2, 800MHz 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 +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

This result was measured on the Dell PowerEdge 6850.

The PowerEdge 6800 and PowerEdge 6850 are electronically equivalent.