



CINT2000 Result

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Dell
PowerEdge 6600 (3.0 GHz Xeon MP)

SPECint_rate2000 = 31.4

SPECint_rate_base2000 = 30.7

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: Dec-2003 | Hardware Avail: Jan-2004 | Software Avail: Apr-2003

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	122	26.7	2	122	26.7
175.vpr	2	130	24.9	2	130	25.0
176.gcc	2	73.7	34.6	2	73.8	34.6
181.mcf	2	148	28.1	2	151	27.7
186.crafy	2	86.0	27.0	2	85.3	27.2
197.parser	2	143	29.2	2	143	29.2
252.eon	2	98.1	30.7	2	84.6	35.7
253.perlbnk	2	131	32.0	2	127	32.9
254.gap	2	84.8	30.1	2	84.8	30.1
255.vortex	2	93.5	47.2	2	93.5	47.2
256.bzip2	2	119	29.4	2	113	30.8
300.twolf	2	205	34.0	2	195	35.8

Hardware

CPU: Intel Xeon MP (400 MHz system bus)
CPU MHz: 3000
FPU: Integrated
CPU(s) enabled: 2 cores, 2 chips, 1 core/chip (Hyper-Threading Technology disabled)
CPU(s) orderable: 1,2,4
Parallel: No
Primary Cache: 12K(I) micro-ops + 8KB(D) on chip
Secondary Cache: 512KB(I+D) on chip
L3 Cache: 4096KB(I+D) on chip
Other Cache: N/A
Memory: 4 x 1024MB DDR200
Disk Subsystem: 1 x 36GB SEAGATE SCSI
Other Hardware:

Software

Operating System: Windows 2000 Advanced Server (SP2)
Compiler: Intel C++ Compiler 7.1 (20030402Z)
Microsoft Visual Studio .NET (7.0.9466)
MicroQuill SmartHeap Library 6.01
File System: NTFS
System State: Default

Notes/Tuning Information

PORTABILITY FLAGS

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

FEEDBACK DIRECTED OPTIMIZATION

FDO: PASS1= -Qprof_gen PASS2=-Qprof_use

BASE TUNING

C: -QxW -Qipo -O3 +FDO
C++: -QxW -Qipo -GX -GR

PEAK TUNING

164.gzip: -QxW -Qipo -Oa -O3 +FDO
175.vpr: -QxW -Qipo -O3 +FDO
176.gcc: -QxW -Qipo -O3 +FDO
181.mcf: -QxW -Qipo -O3 +FDO shlw32M.lib
186.crafy: PASS1= -Qprof_gen PASS2= -Qipo -Qprof_use -QxW -O3
197.parser: -QxW -Qipo -O3 +FDO
252.eon: PASS1= -Qprof_gen PASS2= -Qipo -Qprof_use -QxW -O3
253.perlbnk: -QxW -Qipo -O3 +FDO shlw32M.lib
254.gap: basepeak=yes



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Notes/Tuning Information (Continued)

```
255.vortex    basepeak=yes
256.bzip2:    -Qipo -Oa -Qunroll1 +FDO
300.twolf:    -Qipo -QxW -O3 -Oa      shlw32M.lib
EXTRA LIBRARIES
shlw32M.lib:  MicroQuill SmartHeap Library 6.01
              www.microquill.com
ONESTEP=YES is set for all benchmarks
Hyper-Threading Technology disabled in BIOS
```