



CINT2000 Result

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Dell
PowerEdge 1950 (Intel Xeon processor 5160, 3.00GHz)

SPECint2000 = **3065**
SPECint_base2000 = **3061**

SPEC license #: 55 Tested by: Dell, Round Rock, TX Test date: May-2006 Hardware Avail: Jul-2006 Software Avail: May-2006

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	75.5	1855	75.5	1854	
175.vpr	1400	63.1	2220	62.2	2252	
176.gcc	1100	33.5	3287	33.5	3287	
181.mcf	1800	42.7	4212	42.7	4212	
186.crafty	1000	36.6	2734	36.6	2731	
197.parser	1800	73.1	2464	72.9	2468	
252.eon	1300	33.1	3925	33.2	3917	
253.perlbmk	1800	49.3	3650	49.3	3650	
254.gap	1100	36.6	3007	36.4	3021	
255.vortex	1900	38.0	5006	38.0	5006	
256.bzip2	1500	63.4	2365	63.6	2360	
300.twolf	3000	86.7	3459	86.7	3459	

Hardware

CPU: Intel Xeon processor 5160 (1333MHz system bus)
CPU MHz: 3000
FPU: Integrated
CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip
CPU(s) orderable: 1,2
Parallel: No
Primary Cache: 32KB(I) + 32KB(D) on chip, per core
Secondary Cache: 4096KB(I+D) on chip, shared
L3 Cache: N/A
Other Cache: N/A
Memory: 8 x 1GB 667MHz ECC CL5 DDR2 FB-DIMM
Disk Subsystem: 1 x 80GB SATA 7200 RPM
Other Hardware: None

Software

Operating System: Microsoft Windows Server 2003 Enterprise x64 Edition + SP1 (64-bit)
Compiler: Intel C++ Compiler 9.1 for IA32(20060323Z)
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.perlbmk: -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.perlbmk: 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
BIOS SETTINGS
Snoop Filter enabled in BIOS
```