



CINT2000 Result

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Dell

PowerEdge 1950 (Intel Xeon processor E5320, 1.86 GHz)

SPECint_rate2000 = 148

SPECint_rate_base2000 = 148

SPEC license #: 55 | Tested by: Dell, Inc., Round Rock, TX | Test date: Nov-2006 | Hardware Avail: Dec-2006 | Software Avail: May-2006

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	8	126	103	8	127	103
175.vpr	8	122	107	8	120	108
176.gcc	8	60.4	169	8	60.4	169
181.mcf	8	155	108	8	155	108
186.crafty	8	58.9	158	8	58.9	157
197.parser	8	131	128	8	131	128
252.eon	8	53.4	226	8	53.3	226
253.perlbnk	8	82.2	203	8	82.2	203
254.gap	8	93.2	110	8	92.4	111
255.vortex	8	69.8	252	8	69.8	252
256.bzip2	8	125	111	8	125	111
300.twolf	8	141	197	8	141	197

Hardware

CPU: Quad-Core Intel Xeon processor E5320 (1066 MHz system bus)
CPU MHz: 1866
FPU: Integrated
CPU(s) enabled: 8 cores, 2 chips, 4 cores/chip
CPU(s) orderable: 1,2 chips
Parallel: No
Primary Cache: 32KB(I) + 32KB(D) on chip, per core
Secondary Cache: 8 MB I+D on chip, per chip (4 MB shared per 2 cores)
L3 Cache: N/A
Other Cache: N/A
Memory: 8 GB (8 x 1 GB 667 MHz CL5 FB-DIMM DDR2 SDRAM)
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(20060519Z)
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.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
BIOS SETTINGS
Adjacent Cache Line Prefetch disabled in BIOS
```