CINT2000 Result

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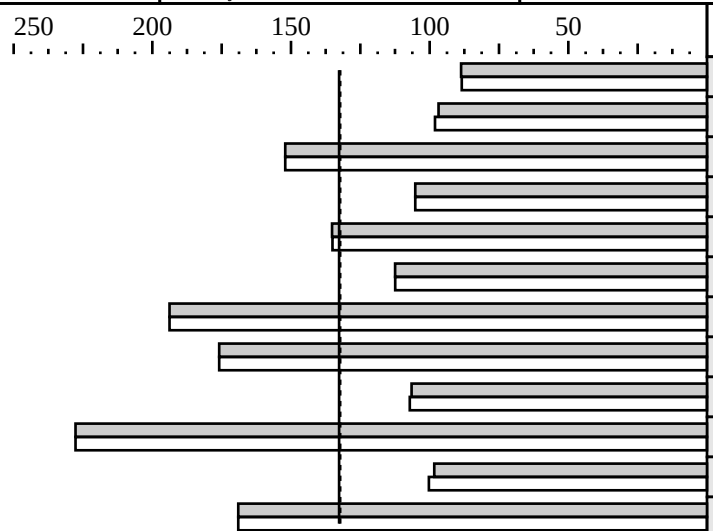
Dell

PowerEdge 1950 (Intel Xeon processor E5310, 1.60 GHz)

SPECint_rate2000 = 133

SPECint_rate_base2000 = 132

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	147	88.7	8	147	88.4
175.vpr	8	134	96.8	8	132	98.1
176.gcc	8	67.1	152	8	67.1	152
181.mcf	8	159	105	8	159	105
186.crafty	8	68.6	135	8	68.7	135
197.parser	8	149	112	8	149	112
252.eon	8	62.3	194	8	62.3	194
253.perlbmk	8	95.0	176	8	95.0	176
254.gap	8	95.8	107	8	95.3	107
255.vortex	8	77.4	228	8	77.4	228
256.bzip2	8	142	98.3	8	139	100
300.twolf	8	165	169	8	165	169

Hardware

CPU:	Quad-Core Intel Xeon processor E5310 (1066 MHz system bus)
CPU MHz:	1600
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.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 -Qunroll1 -Oa +FDO
    300.twolf:    basepeak=yes
  BIOS SETTINGS
    Adjacent Cache Line Prefetch disabled in BIOS
```