CINT2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

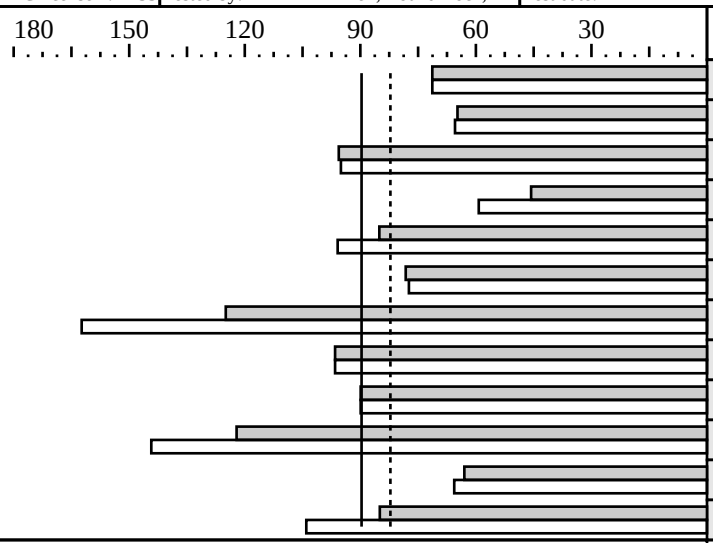
Dell

PowerEdge SC1435 (AMD Opteron (TM) 2220SE)

SPECint_rate2000 = 89.7

SPECint_rate_base2000 = 82.2

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	91.1	71.3	4	91.1	71.3
175.vpr	4	100	64.8	4	99.3	65.4
176.gcc	4	53.4	95.6	4	53.7	95.0
181.mcf	4	183	45.7	4	141	59.3
186.crafty	4	54.5	85.1	4	48.4	95.9
197.parser	4	107	78.2	4	108	77.4
252.eon	4	48.3	125	4	37.2	162
253.perlbmk	4	86.5	96.6	4	86.5	96.6
254.gap	4	56.8	89.9	4	56.8	89.9
255.vortex	4	72.2	122	4	61.1	144
256.bzip2	4	110	63.0	4	106	65.6
300.twolf	4	164	84.9	4	134	104

Hardware

CPU:	AMD Opteron (TM) 2220SE
CPU MHz:	2800
FPU:	Integrated
CPU(s) enabled:	4 cores, 2 chips, 2 cores/chip
CPU(s) orderable:	1,2
Parallel:	No
Primary Cache:	64KB(I) + 64KB(D) on chip, per core
Secondary Cache:	1MB(I+D) on chip, per core
L3 Cache:	N/A
Other Cache:	N/A
Memory:	16GB (8 x 2GB PC2-5300P CL5)
Disk Subsystem:	1 x 80GB 7.2K SATA
Other Hardware:	

Software

Operating System:	Windows Server 2003 Enterprise SP1
Compiler:	Intel C++ Compiler for 32-bit applications, (version 9.1 Build 20060323Z) Microsoft Visual Studio .NET 7.0.9466 (for libraries) MicroQuill Smartheap Library 8.0
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen  PASS2=-Qprof_use
Base tuning for C programs:   -fast -arch:SSE2 -Oi- +FDO ONESTEP=yes
Base tuning for C++ programs: -fast -Qcxx_features -arch:SSE2 +FDO ONESTEP=yes
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
Peak tuning:
  164.gzip:    basepeak=yes
  175.vpr:     -fast -arch:SSE2 -Qoption,c,-ip_ninl_max_stats=2000
               -Qoption,c,-ip_ninl_max_total_stats=4500 +FDO ONESTEP=yes
  176.gcc:     -fast -arch:SSE2 -Oi- -Qunroll3          +FDO
  181.mcf:     -O3 -Qipo -QaxN                         +FDO ONESTEP=yes shlw32M.lib
  186.crafty:  -fast -arch:SSE2                         +FDO ONESTEP=yes
  197.parser:  -arch:SSE2 -Oi- -Qipo                    +FDO ONESTEP=yes
  252.eon:     -fast -arch:SSE2 -Qansi_alias -Qoption,c,-ip_ninl_max_stats=2000
               -Qoption,c,-ip_ninl_max_total_stats=4500 +FDO ONESTEP=yes
  253.perlbmk: basepeak=yes
  254.gap:     basepeak=yes
```

Copyright ©1999-2005, Standard Performance Evaluation Corporation

Notes/Tuning Information (Continued)

```
    255.vortex:  -fast -arch:SSE2 -Oi- -Qoption,c,-ip_ninl_max_stats=2000
                 -Qoption,c,-ip_ninl_max_total_stats=4500 +FDO ONESTEP=yes shlw32M.lib
    256.bzip2:   -O3 -Qipo -QaxN  -Qunroll2                              shlw32M.lib
    300.twolf:   -fast -arch:SSE2 -Qansi_alias           +FDO ONESTEP=yes shlw32M.lib
  Other Configuration Notes
    The start /b /wait /affinity command is used to bind CPU(s) to processes.
```