CINT2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

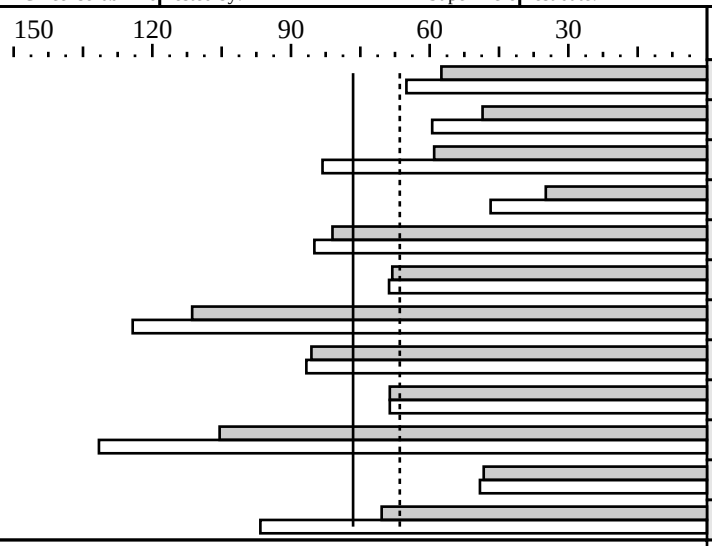
Supermicro

Supermicro H8DM8-2 Motherboard, Opteron 2218

SPECint_rate2000 = 76.6

SPECint_rate_base2000 = 66.5

SPEC license #01176 | Tested by: Supermicro | Test date: Sep-2006 | Hardware Avail: Aug-2006 | Software Avail: Apr-2004



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	113	57.5	4	99.9	65.0
175.vpr	4	134	48.6	4	109	59.5
176.gcc	4	86.5	59.0	4	61.4	83.2
181.mcf	4	239	34.9	4	178	46.8
186.crafty	4	57.3	81.0	4	54.6	84.9
197.parser	4	123	68.1	4	121	68.8
252.eon	4	54.2	111	4	48.5	124
253.perlbmk	4	97.6	85.6	4	96.4	86.7
254.gap	4	74.4	68.6	4	74.4	68.6
255.vortex	4	83.6	105	4	67.0	132
256.bzip2	4	144	48.3	4	142	49.1
300.twolf	4	198	70.4	4	144	96.6

Hardware

CPU:	AMD Opteron 2218
CPU MHz:	2600
FPU:	Integrated
CPU(s) enabled:	4 cores, 2 chips, 2 cores/chip
CPU(s) orderable:	1, 2
Parallel:	no
Primary Cache:	64KBI + 64KBD on chip per core
Secondary Cache:	1024KB (I+D) on chip per core
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4x512MB, DDR2-667 CL3
Disk Subsystem:	IDE, 120 GB
Other Hardware:	None

Software

Operating System:	Windows 2003 EE R2 SP1
Compiler:	Intel C++ 9.0 build 20050912Z for IA32 Microsoft Visual Studio .NET 7.0.9466 (libraries) MicroQuill Smartheap Library 7.0
File System:	NTFS
System State:	default

Notes/Tuning Information

```
shlW32M.lib is the SmartHeap library V7.0 from MicroQuill (www.microquill.com)
+FDO: PASS1=-Qprof_gen  PASS2=-Qprof_use
Portability:
  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
Baseline C:   -O3 -Qipo -Op +FDO
Baseline C++: -O3 -Qipo -Qcxx-features +FDO
Peak Tuning:
164.gzip:     -O3 -Qipo -QxW +FDO
175.vpr:      -O3 -Qipo -QxW +FDO
              -Qoption,c,-ip_ninl_max_stats=2000,-ip_ninl_max_total_stats=4500
176.gcc:      -O3 -Qipo -QxW -Oi- -Qunroll3 +FDO
181.mcf:      -O3 -Qipo -QaxN      +FDO
186.crafty:   -O3 -Qipo -QxW +FDO
197.parser:         -QxW +FDO -Oi- -Qipo
252.eon:      -O3 -Qipo -QxW +FDO -Qansi_alias
             -Qoption,c,-ip_ninl_max_stats=2000,-ip_ninl_max_total_stats=4500
253.perlbmk:  -O3 -Qipo -QxW +FDO
```

Copyright ©1999-2005, Standard Performance Evaluation Corporation

Notes/Tuning Information (Continued)

```
 254.gap:      -O3 -Qipo -QxW +FDO
 255.vortex:   -O3 -Qipo -arch:SSE  +FDO -Oi- shlW32M.lib
               -Qoption,c,-ip_ninl_max_stats=2000,-ip_ninl_max_total_stats=4500
 256.bzip2:    -O3 -Qipo               -Qunroll2
 300.twolf:    -O3 -Qipo -QxW +FDO      -Qunroll3 shlW32M.lib -Qansi_alias
The system under test can be built with a NVIDIA GeForce FX 5700 graphics card and
an ATX APE-300x power supply.
```