CINT2000 Result

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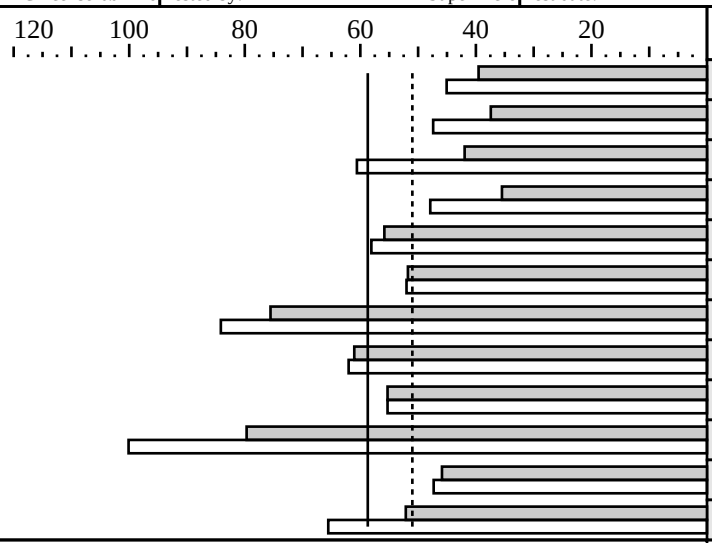
Supermicro
Motherboard H8DA8 rev2.01

SPECint_rate2000 = 58.7

SPECint_rate_base2000 = 51.0

SPEC license #01176 | Tested by: Supermicro | Test date: Feb-2006 | Hardware Avail: Mar-2005 | Software Avail: Sep-2005



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	164	39.5	4	144	45.1
175.vpr	4	174	37.4	4	137	47.4
176.gcc	4	122	41.9	4	84.2	60.6
181.mcf	4	235	35.5	4	174	47.9
186.crafty	4	83.1	55.8	4	79.9	58.1
197.parser	4	161	51.8	4	161	52.0
252.eon	4	79.8	75.5	4	71.7	84.1
253.perlbmk	4	137	61.0	4	135	62.0
254.gap	4	92.3	55.3	4	92.3	55.3
255.vortex	4	111	79.7	4	88.1	100
256.bzip2	4	152	45.9	4	147	47.3
300.twolf	4	267	52.1	4	212	65.5

Hardware

CPU:	AMD Opteron 265
CPU MHz:	1800
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
Secondary Cache:	1024KB (I+D) (on chip) per core
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8x512MB, Registered, ECC, Buffered, Single Rank, DDR400 CL3
Disk Subsystem:	Seagate Barracuda 7200.9, 120 GB, 7200 RPM
Other Hardware:	None

Software

Operating System:	Windows 2003 Enterprise Edition W/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

```
Tested by Supermicro Computer, Inc.
  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
```

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Notes/Tuning Information (Continued)

```
 253.perlbmk:  -O3 -Qipo -QxW +FDO
 254.gap:       basepeak=yes
 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 ATX 650 power supply.
 The start /b /wait /affinity command is used to bind CPU(s) to processes.
```