CINT2000 Result

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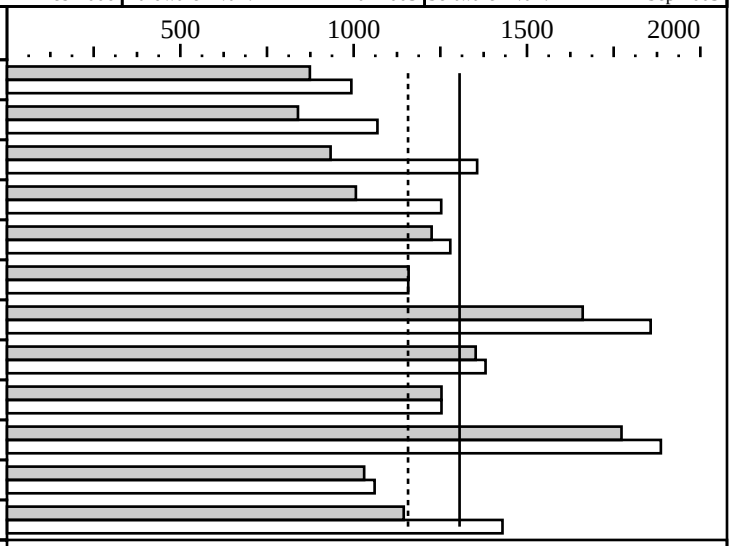
Supermicro
Motherboard H8DA8 rev2.01

SPECint2000 = 1306

SPECint_base2000 = 1157

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	160	874	141	993
175.vpr	1400	167	839	131	1069
176.gcc	1100	118	933	81.1	1356
181.mcf	1800	179	1006	144	1253
186.crafty	1000	81.6	1225	78.2	1279
197.parser	1800	155	1158	156	1157
252.eon	1300	78.3	1661	70.0	1857
253.perlbmk	1800	133	1352	130	1380
254.gap	1100	87.8	1253	87.8	1253
255.vortex	1900	107	1773	101	1886
256.bzip2	1500	146	1030	141	1060
300.twolf	3000	262	1144	210	1429



Hardware

CPU:	AMD Opteron 265
CPU MHz:	1800
FPU:	Integrated
CPU(s) enabled:	2 cores, 1 chip, 2 cores/chip
CPU(s) orderable:	1
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:	4x512MB, 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.
```