CINT2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

Supermicro

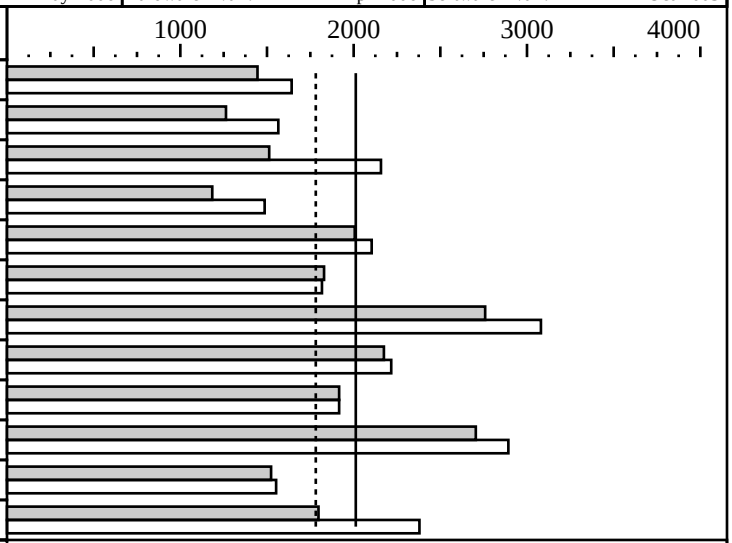
H8DSP-8/i Motherboard (AMD Opteron (TM) 256)

SPECint2000 = 2012

SPECint_base2000 = 1781

SPEC license #01176 | Tested by: Supermicro | Test date: May-2006 | Hardware Avail: Apr-2006 | Software Avail: Oct-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	96.9	1445	85.3	1642
175.vpr	1400	111	1263	89.4	1565
176.gcc	1100	72.7	1513	51.0	2157
181.mcf	1800	152	1184	121	1486
186.crafty	1000	49.8	2006	47.5	2104
197.parser	1800	98.4	1829	99.1	1817
252.eon	1300	47.1	2759	42.2	3080
253.perlbmk	1800	82.8	2174	81.2	2217
254.gap	1100	57.4	1916	57.4	1916
255.vortex	1900	70.3	2705	65.7	2893
256.bzip2	1500	98.5	1524	96.6	1553
300.twolf	3000	167	1797	126	2379



Hardware

CPU:	AMD Opteron (TM) 256
CPU MHz:	3000
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1, 2
Parallel:	no
Primary Cache:	64KBI + 64KBD on chip
Secondary Cache:	1024KB (I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4 x 2048 MB, DDR400, Reg, ECC, CL3 @ CPU 1 DIMM 1A 1B 2A 2B
Disk Subsystem:	1 X IDE, Hitachi 80 GB
Other Hardware:	None

Software

Operating System:	Windows server 2003 Enterprise Edition 32-bit Version w/ Service Pack 1
Compiler:	Intel C++ 9.0 Compiler 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
Tested systm was built with chassis SC816S-(R)700 ,
Product description located as of:
http://www.supermicro.com/Aplus/motherboard/Opteron/HT2000/H8DSP-8.cfm
To ensure system stability, a 600W (minimum) ATX power supply [8-pin (+12V) and 24-pin are required]
```