# CINT2000 Result

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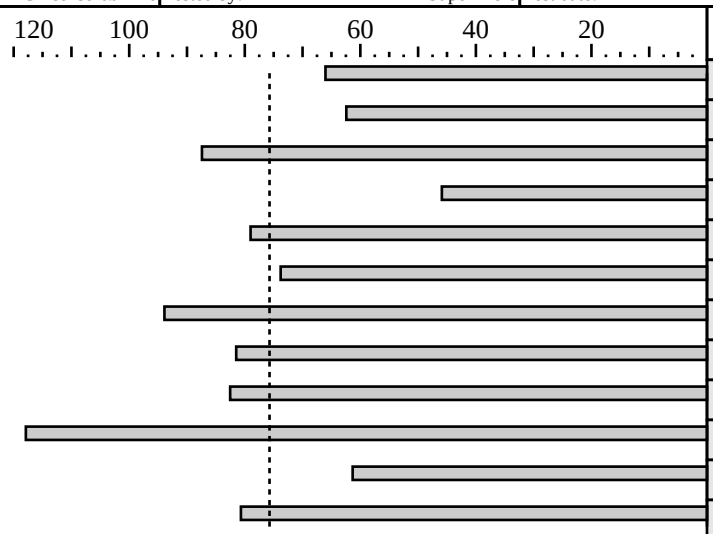
## Supermicro

Motherboard H8DM8-2, AMD Opteron(TM) 2218

SPECint_rate2000 = --

SPECint_rate_base2000 = 75.7

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




| Benchmark | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|---|---|---|---|---|---|---|
| 164.gzip | 4 | 98.4 | 66.0 | | | |
| 175.vpr | 4 | 104 | 62.4 | | | |
| 176.gcc | 4 | 58.4 | 87.4 | | | |
| 181.mcf | 4 | 182 | 45.9 | | | |
| 186.crafty | 4 | 58.7 | 79.0 | | | |
| 197.parser | 4 | 113 | 73.8 | | | |
| 252.eon | 4 | 64.2 | 93.9 | | | |
| 253.perlbmk | 4 | 103 | 81.5 | | | |
| 254.gap | 4 | 61.8 | 82.5 | | | |
| 255.vortex | 4 | 74.8 | 118 | | | |
| 256.bzip2 | 4 | 113 | 61.3 | | | |
| 300.twolf | 4 | 173 | 80.7 | | | |

### Hardware

| | |
|---|---|
| CPU: | AMD Opteron(TM) 2218 processor |
| 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: | 8x2048MB DDR2-667 Dual Rank CL4 ECC Reg |
| Disk Subsystem: | IDE |
| Other Hardware: | None |

### Software

| | |
|---|---|
| Operating System: | Windows Server 2003 Enterprise Edition SP1 (32 bit) |
| Compiler: | Intel C++ 8.0<br>Build 20040318Z (for 32-bit applications),<br>Microsoft Visual Studio .Net 2003 |
| File System: | NTFS |
| System State: | Default |

## Notes/Tuning Information

```
+FDO: PASS1= -Qprof_gen  PASS2= -Qprof_use

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

Base tuning flags
   for C programs:   -fast -arch:SSE2 -Oi- +FDO
   for C++ programs: -fast -GX -GR +FDO

'start /b /wait /affinity' command is used to bind CPU(s) to processes
Memory populated at location DIMMA 1A, DIMMA 1B, DIMMA 2A, DIMMA 2B for CPU1 and DIMMB 1A, DIMMB 1B, DIMMB 2A, DIMMB 2B for CPU2
Tested systems can be used with SC811S-520 case,
To ensure system stability, a 550W (minimum) ATX power supply [ 4-pin (+12V), 8-pin (+12V) and 24-pin are required]
Product description located as of H8DM8: http://www.supermicro.com/Aplus/motherboard/Opteron2000/MCP55/H8DM8-2.cfm
```