CFP2000 Result

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SuperMicro

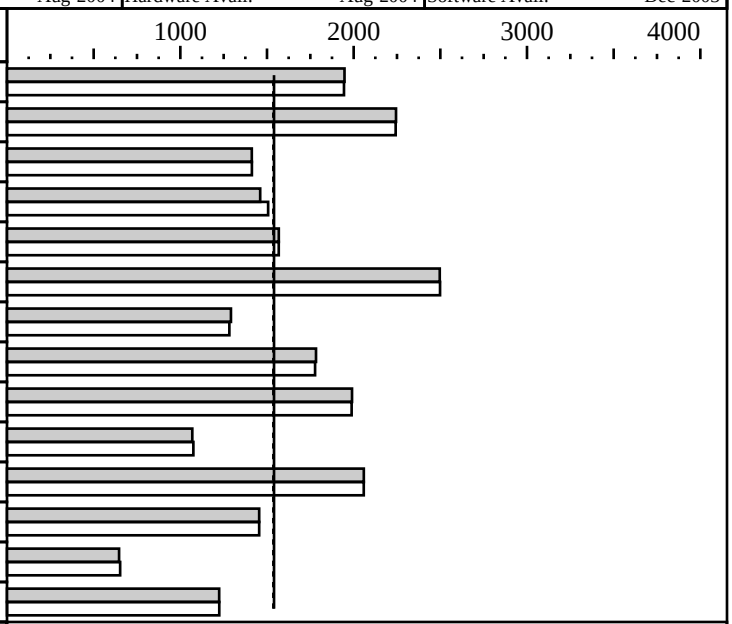
P8SAA (3.6 GHz Pentium 4, 1MB L2 Cache)

SPECfp2000 = 1541

SPECfp_base2000 = 1537

SPEC license #01176 | Tested by: SuperMicro Inc., San Jose, CA | Test date: Aug-2004 | Hardware Avail: Aug-2004 | Software Avail: Dec-2003

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	82.2	1947	82.3	1944
171.swim	3100	138	2244	138	2242
172.mgrid	1800	127	1412	127	1413
173.applu	2100	144	1461	139	1507
177.mesa	1400	89.3	1568	89.3	1568
178.galgel	2900	116	2497	116	2498
179.art	2600	201	1292	203	1283
183.equake	1300	72.9	1783	73.1	1777
187.facerec	1900	95.5	1991	95.6	1988
188.ammp	2200	206	1069	205	1075
189.lucas	2000	97.2	2059	97.2	2058
191.fma3d	2100	144	1455	144	1455
200.sixtrack	1100	170	647	169	653
301.apsi	2600	212	1224	212	1225



Hardware

CPU:	Intel Pentium 4 (3.6 GHz, 800 MHz system bus)
CPU MHz:	3600
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip (HT Technology Enabled)
CPU(s) orderable:	1
Parallel:	No
Primary Cache:	12k micro-ops I + 16KBD on chip
Secondary Cache:	1024KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4 x 512MB PC 4300 DDR2 SDRAM
Disk Subsystem:	1 x 200GB ATA133 IDE, 7200 RPM
Other Hardware:	

Software

Operating System:	Windows 2003 Enterprise Server
Compiler:	Intel C/C++ Compiler 8.0 (20031229Z) Microsoft Visual Studio .NET (7.0.9466) Intel C++ and Fortran Compiler 8.0 Build 20031017Z
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
+FDO: PASS1=  -Qprof_gen  PASS2=-Qprof_use
Base tuning:  -QxN -fast -Qansi_alias +FDO
Portability:
178.galgel:   -FI /F32000000
Peak tuning:
168.wupwise:  -QxN -fast -Qansi_alias +FDO
171.swim:     -QxN -fast -Qansi_alias +FDO
172.mgrid:    -QxN -fast -Qansi_alias +FDO
173.applu:  -QxN -fast -Qscalar_rep- -Qauto  +FDO
177.mesa:   -QxN -fast -Oa -Qscalar_rep- +FDO
178.galgel:   -QxN -fast -Qansi_alias +FDO
179.art:      -Oa -Qipo -Qunroll4 -Zp4
183.equake:   -QxN -Oa -Qrcd -Qipo +FDO
187.facerec:  -QxN -fast -Qunroll1 -Qscalar_rep- +FDO
188.ammp:     -Oa -QxN
189.lucas:    -QxN -fast -Qprefetch- +FDO
191.fma3d:    basepeak=yes
```

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Notes/Tuning Information (Continued)

```
200.sixtrack: -Qipo -QxN +FDO
301.apsi:     -QxN -fast +FDO
```