CFP2000 Result

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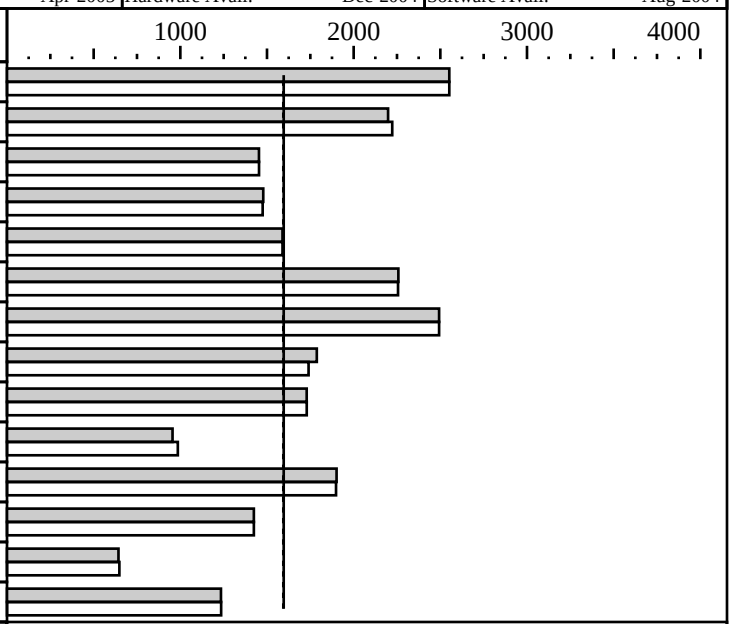
SuperMicro X6DHR-8G2

SPECfp2000 = 1596

SPECfp_base2000 = 1594

SPEC license #01176 | Tested by: Supermicro | Test date: Apr-2005 | Hardware Avail: Dec-2004 | Software Avail: Aug-2004

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	62.7	2552	62.7	2552
171.swim	3100	141	2199	139	2222
172.mgrid	1800	124	1454	124	1454
173.applu	2100	142	1478	142	1475
177.mesa	1400	88.1	1590	88.1	1590
178.galgel	2900	128	2258	129	2256
179.art	2600	104	2493	104	2493
183.equake	1300	72.7	1787	74.7	1740
187.facerec	1900	110	1729	110	1729
188.ammp	2200	230	955	223	986
189.lucas	2000	105	1901	105	1898
191.fma3d	2100	147	1424	147	1424
200.sixtrack	1100	171	643	170	648
301.apsi	2600	211	1234	210	1235



Hardware

CPU:	Intel Xeon processor (3.6 GHz, 800 MHz System bus)
CPU MHz:	3600
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)
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:	8X 1GB Apacer DDRII 400 REG ECC CL3
Disk Subsystem:	250GB Maxtor IDE
Other Hardware:	

Software

Operating System:	Windows Server 2003 EE
Compiler:	Intel C++ and Fortran Compiler 8.1 Build 20040802Z Microsoft Visual Studio .Net 2003(for libraries)
File System:	NTFS
System State:	Default

Notes/Tuning Information

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

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Notes/Tuning Information (Continued)

200.sixtrack: -Qipo -QxP +FDO
301.apsi: -fast +FDO
The system bus runs at 800 MHz
Tested system can be used with a 420W (minimum) ATX power supply [8-pin (+12V) and 24-pin are required]