CFP2000 Result

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Supermicro

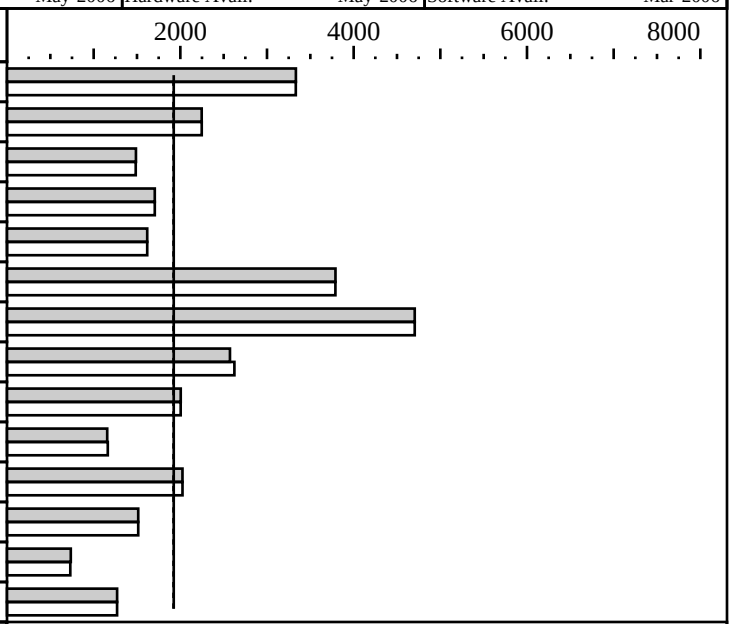
Motherboard X7DA8 (3.73GHz, Intel Dual-Core Xeon processor 5080)

SPECfp2000 = 1924

SPECfp_base2000 = 1922

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	48.0	3333	48.0	3332
171.swim	3100	138	2246	138	2247
172.mgrid	1800	121	1488	121	1485
173.applu	2100	123	1705	123	1705
177.mesa	1400	86.5	1618	86.5	1618
178.galgel	2900	76.5	3790	76.5	3789
179.art	2600	55.3	4705	55.3	4705
183.equake	1300	50.5	2573	49.5	2624
187.facerec	1900	94.8	2005	94.8	2004
188.ammp	2200	190	1156	189	1163
189.lucas	2000	98.8	2025	98.8	2025
191.fma3d	2100	139	1514	139	1514
200.sixtrack	1100	149	736	151	730
301.apsi	2600	205	1271	205	1270



Hardware

CPU:	Intel Dual-Core Xeon processor 5080 (3.73 GHz, 1066 MHz bus)
CPU MHz:	3730
FPU:	Integrated
CPU(s) enabled:	2 cores, 1 chip, 2 cores/chip (Hyper-Threading Technology disabled)
CPU(s) orderable:	1, 2
Parallel:	No
Primary Cache:	12k micro-ops I + 16KBD (on chip) per core
Secondary Cache:	2MB(I+D) (on chip) per core
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8 X 512MB 667MHz CL5 DDR2 FB-DIMM
Disk Subsystem:	WD 2500 250GB
Other Hardware:	N/A

Software

Operating System:	Windows XP Professional w/ SP2
Compiler:	Intel C++ and Fortran Compiler 9.1 for 32-bit applications Build 20060323Z Package ID: W_FC_P_9.1.020 Microsoft Visual Studio 2005(for libraries) SmartHeap Library Version 8.0 from http://www.microquill.com/
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
+FDO: PASS1=  -Qprof_gen  PASS2=-Qprof_use
Base tuning for Fortran programs:  -fast -Qansi_alias +FDO
Base tuning for 177.mesa:  -fast    +FDO shlW32M.lib
Base tuning for 179.art:  -fast     +FDO shlW32M.lib
Base tuning for 183.equake:  -fast  +FDO shlW32M.lib
Base tuning for 188.ammp:  -fast    +FDO shlW32M.lib
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:  basepeak=yes
177.mesa:   basepeak=yes
178.galgel:   -fast -Qansi_alias +FDO
179.art:      basepeak=yes
183.equake:   -QxP -Oa -Qrcd -Qipo  +FDO  shlW32M.lib
```

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Notes/Tuning Information (Continued)

```
187.facerec:  -fast -Qunroll1 -Qscalar_rep- +FDO
188.ammp:     -fast -Oa +FDO  shlW32M.lib
189.lucas:    -fast -Qprefetch- +FDO
191.fma3d:    basepeak=yes
200.sixtrack: -Qipo -QxP +FDO
Tested systems can be used with SC825S2-R700LPV case,
To ensure system stability, a 500W (minimum) ATX power supply
[4-pin (+12V), 8-pin (+12V) and 24-pin are required]
Product description located as of X7DA8:
http://www.supermicro.com/products/motherboard/Xeon1333/5000X/X7DA8.cfm
The system bus runs at 1333 MHz
```