CFP2000 Result

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Supermicro

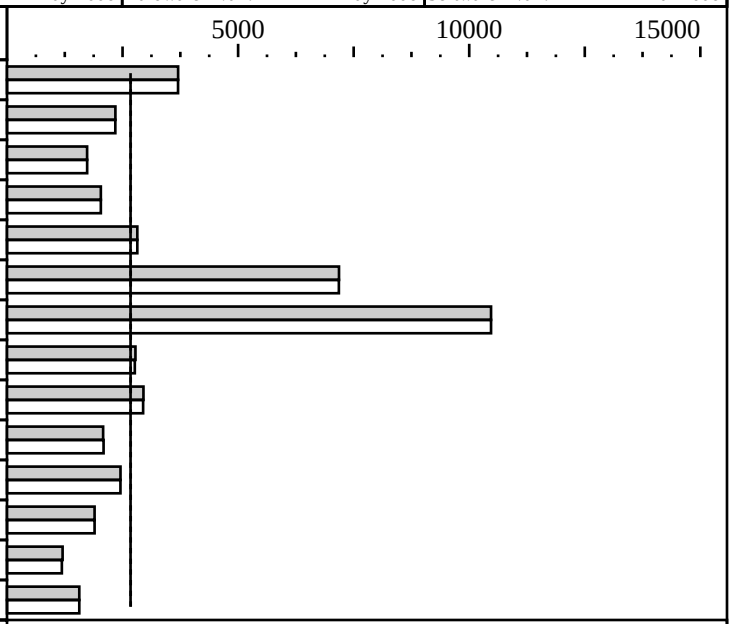
Motherboard X7DA8 (3.00GHz, Intel Xeon 5160 processor)

SPECfp2000 = 2673

SPECfp_base2000 = 2676

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	43.2	3702	43.2	3701
171.swim	3100	132	2345	132	2343
172.mgrid	1800	104	1733	104	1734
173.applu	2100	103	2030	103	2030
177.mesa	1400	49.7	2819	49.7	2819
178.galgel	2900	40.4	7183	40.4	7180
179.art	2600	24.8	10472	24.8	10472
183.equake	1300	46.8	2779	47.0	2765
187.facerec	1900	64.4	2952	64.5	2945
188.ammp	2200	106	2080	105	2089
189.lucas	2000	81.5	2455	81.5	2454
191.fma3d	2100	111	1895	111	1895
200.sixtrack	1100	91.5	1203	92.7	1187
301.apsi	2600	166	1564	166	1564



Hardware

CPU:	Intel Xeon 5160 processor (3.00 GHz, 4MB L2 shared, 1333 MHz bus)
CPU MHz:	3000
FPU:	Integrated
CPU(s) enabled:	2 cores, 1 chip, 2 cores/chip
CPU(s) orderable:	1, 2
Parallel:	No
Primary Cache:	32KBI + 32KBD on chip per core
Secondary Cache:	4MB(I+D) on chip shared
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8x 2GB 667MHz CL5 DDR2 FB-DIMM
Disk Subsystem:	1 X WD 2500 250GB SATA
Other Hardware:	N/A

Software

Operating System:	Windows server 2003 Enterprise Edition 32-bits W/ SP1
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
301.apsi:     -fast +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
```