CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

Supermicro

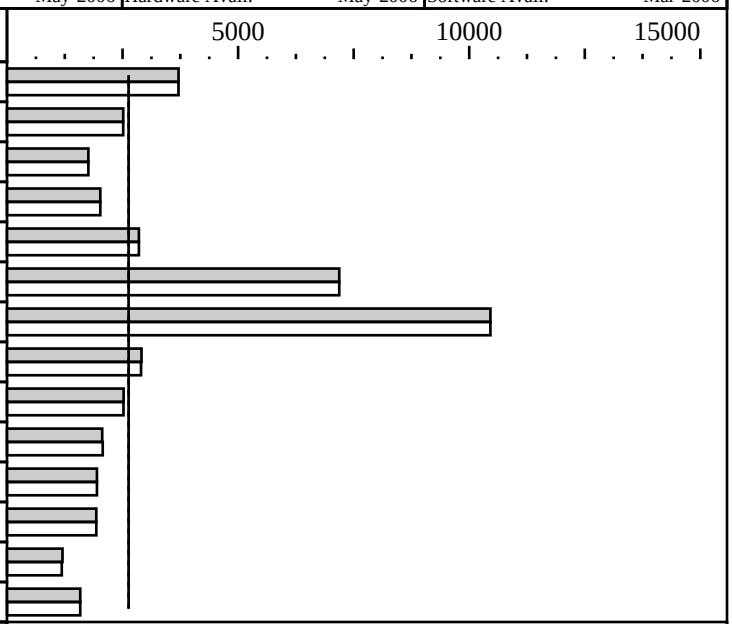
Motherboard X7DB8 (3.00GHz, Intel Xeon 5160 processor)

SPECfp2000 = 2631

SPECfp_base2000 = 2633

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	43.1	3712	43.1	3710
171.swim	3100	123	2515	123	2514
172.mgrid	1800	102	1760	102	1761
173.applu	2100	104	2019	104	2019
177.mesa	1400	49.1	2853	49.1	2853
178.galgel	2900	40.3	7188	40.3	7188
179.art	2600	24.9	10459	24.9	10459
183.equake	1300	44.7	2910	44.8	2900
187.facerec	1900	75.3	2523	75.4	2520
188.ammp	2200	107	2060	106	2071
189.lucas	2000	103	1946	103	1946
191.fma3d	2100	109	1932	109	1932
200.sixtrack	1100	91.6	1201	92.8	1185
301.apsi	2600	164	1585	164	1584



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:	--
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:	8 X 512MB 667MHz CL5 DDR2 FB-DIMM
Disk Subsystem:	1 X WD 2500 250GB SATA
Other Hardware:	N/A

Software

Operating System:	Windows XP Professional 32-bits 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 C programs: -fast shlW32M.lib +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:  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
187.facerec:  -fast -Qunroll1 -Qscalar_rep- +FDO
188.ammp:     -fast -Oa +FDO  shlW32M.lib
189.lucas:    -fast -Qprefetch- +FDO
```

Copyright ©1999-2005, Standard Performance Evaluation Corporation

Notes/Tuning Information (Continued)

```
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/Xeon1333/5000P/X7DB8.cfm
The system bus runs at 1333 MHz
```