CFP2000 Result

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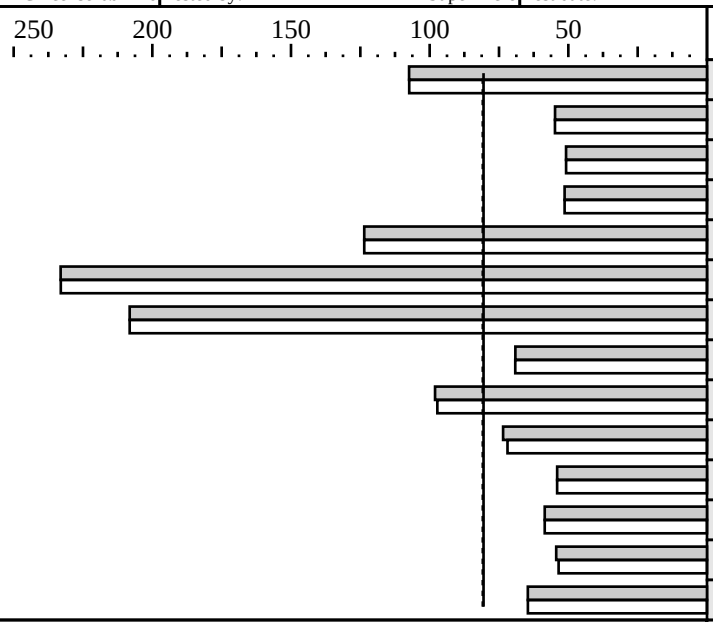
Supermicro

Motherboard X7DB8-X (3.00GHz, Intel Xeon 5160 processor)

SPECfp_rate2000 = 80.6

SPECfp_rate_base2000 = 80.8

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	69.1	107	4	69.1	107
171.swim	4	263	54.8	4	262	54.8
172.mgrid	4	164	50.8	4	164	50.8
173.applu	4	190	51.3	4	190	51.3
177.mesa	4	52.6	124	4	52.6	124
178.galgel	4	57.7	233	4	57.8	233
179.art	4	58.0	208	4	58.0	208
183.equake	4	87.3	69.1	4	87.3	69.1
187.facerec	4	89.9	98.1	4	90.7	97.2
188.ammp	4	139	73.5	4	142	71.9
189.lucas	4	172	54.0	4	172	54.0
191.fma3d	4	167	58.5	4	167	58.5
200.sixtrack	4	93.9	54.4	4	95.4	53.5
301.apsi	4	187	64.6	4	187	64.6

Hardware

CPU:	Intel Xeon 5160 processor (3.00GHz, 4MB L2 shared, 1333 MHz bus)
CPU MHz:	3000
FPU:	Integrated
CPU(s) enabled:	4 cores, 2 chips, 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 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
```

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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 X7DB8-X:
 http://www.supermicro.com/products/motherboard/Xeon1333/5000P/X7DB8-X.cfm
 The system bus runs at 1333 MHz
```