CFP2000 Result

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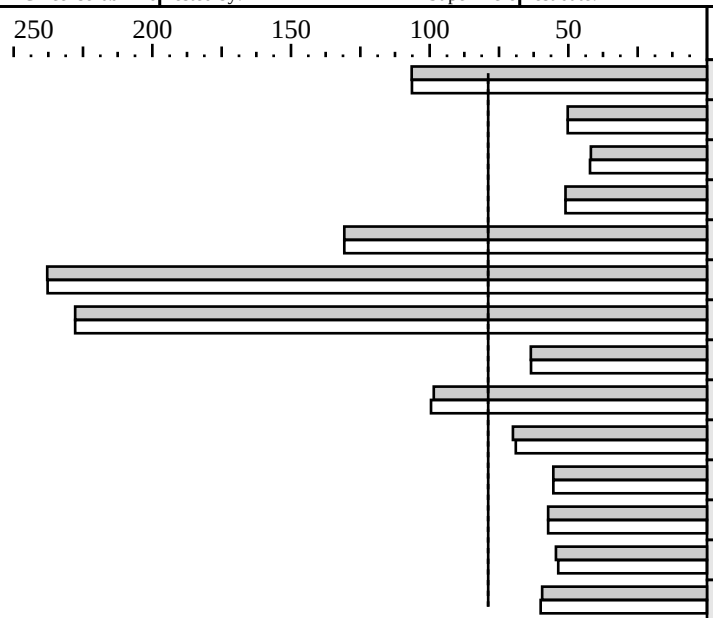
Supermicro

Motherboard X7DA8 (3.00GHz, Intel Xeon 5160 processor)

SPECfp_rate2000 = 78.9

SPECfp_rate_base2000 = 78.9

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	69.7	106	4	69.8	106
171.swim	4	286	50.2	4	286	50.2
172.mgrid	4	199	41.9	4	198	42.2
173.applu	4	191	51.0	4	191	51.0
177.mesa	4	49.7	131	4	49.7	131
178.galgel	4	56.6	238	4	56.6	238
179.art	4	53.0	228	4	53.0	228
183.equake	4	95.0	63.5	4	95.1	63.5
187.facerec	4	89.5	98.5	4	88.6	99.5
188.ammp	4	146	70.0	4	148	68.9
189.lucas	4	167	55.4	4	168	55.4
191.fma3d	4	170	57.3	4	170	57.3
200.sixtrack	4	93.7	54.5	4	95.2	53.6
301.apsi	4	203	59.4	4	201	60.0

Hardware

CPU:	Intel Xeon 5160 processor (3.00 GHz, 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 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
```