CFP2000 Result

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Supermicro

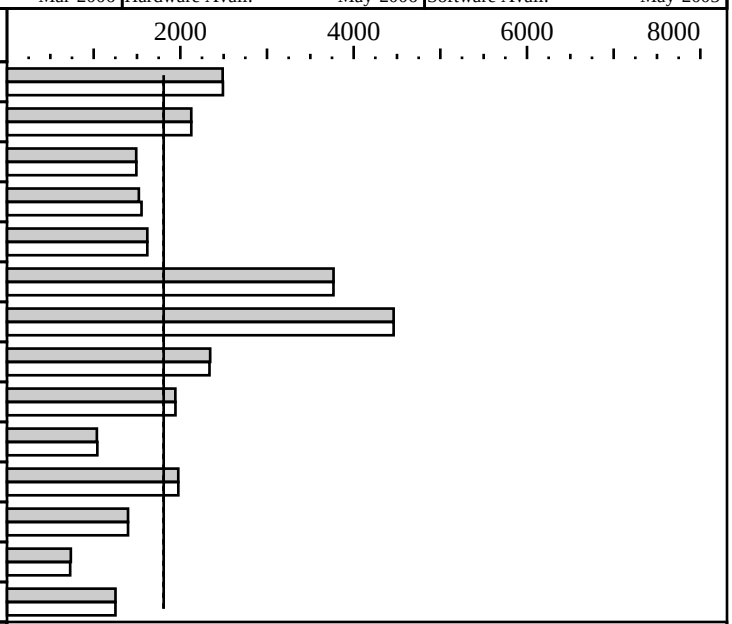
Motherboard X7DBR-8+ (3.73GHz, Intel Dual-Core Xeon processor 5080)

SPECfp2000 = 1808

SPECfp_base2000 = 1806

SPEC license #01176 | Tested by: Supermicro | Test date: Mar-2006 | Hardware Avail: May-2006 | Software Avail: May-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	64.3	2488	64.2	2491
171.swim	3100	146	2126	146	2126
172.mgrid	1800	121	1491	121	1493
173.applu	2100	138	1521	135	1552
177.mesa	1400	86.5	1619	86.5	1619
178.galgel	2900	77.0	3768	77.0	3767
179.art	2600	58.3	4461	58.3	4461
183.equake	1300	55.5	2344	55.6	2336
187.facerec	1900	97.8	1943	97.8	1944
188.ammp	2200	212	1037	211	1043
189.lucas	2000	101	1976	101	1977
191.fma3d	2100	150	1397	150	1397
200.sixtrack	1100	149	736	151	729
301.apsi	2600	208	1252	208	1251



Hardware

CPU:	Intel Dual-Core Xeon processor 5080 (3.73 GHz, 2x2MB L2, 1066MHz bus)
CPU MHz:	3733
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:	16x1GB ECC DDR2-5300 CL5 FB-DRAM
Disk Subsystem:	1x120GB 7200RPM ATA HDD
Other Hardware:	

Software

Operating System:	Windows Server 2003 Enterprise Edition 32-bits w/ SP1
Compiler:	Intel C++ and Fortran Compiler 9.0 for 32-bit applications Build 20050430Z (32-bit) Microsoft Visual Studio .Net 2003(for libraries) SmartHeap Library Version 7.4 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 shlW32M.lib +FDO
Base tuning for 179.art:  -fast shlW32M.lib +FDO
Base tuning for 183.equake:  -fast shlW32M.lib +FDO
Base tuning for 188.ammp:  -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:  -fast -Qscalar_rep- -Qauto  +FDO
177.mesa:   basepeak=yes
178.galgel:   -fast -Qansi_alias +FDO
179.art:      basepeak=yes
183.equake:   -QxP -Oa -Qrcd -Qipo shlW32M.lib +FDO
```

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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 SC815S-700V case,
To ensure system stability, a 560W (minimum) ATX power supply [4-pin (+12V), 8-pin (+12V) and 24-pin are required]
Product description located as of X7BR-8+: http://www.supermicro.com/products/motherboard/Xeon1333/5000P/X7DBR-8+.cfm
The system bus runs at 1066 MHz
```