CFP2000 Result

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Supermicro

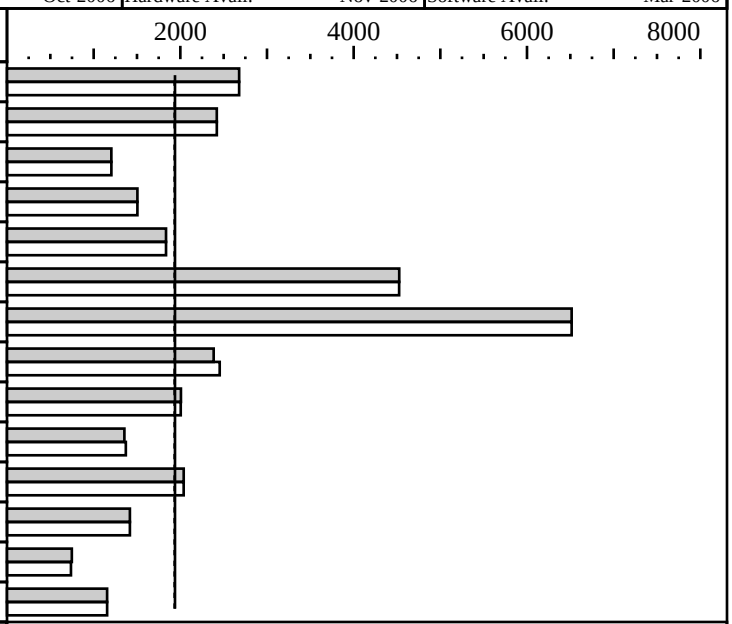
Motherboard X7DBR-8(1.86GHz, Intel Xeon E5320 processor)

SPECfp2000 = 1938

SPECfp_base2000 = 1935

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	59.7	2679	59.7	2678
171.swim	3100	128	2421	128	2421
172.mgrid	1800	150	1204	149	1204
173.applu	2100	140	1505	140	1505
177.mesa	1400	76.3	1835	76.3	1835
178.galgel	2900	64.1	4526	64.1	4525
179.art	2600	39.9	6515	39.9	6515
183.equake	1300	54.5	2385	53.0	2454
187.facerec	1900	94.7	2007	94.8	2005
188.ammp	2200	162	1354	160	1371
189.lucas	2000	98.1	2039	98.1	2039
191.fma3d	2100	148	1418	148	1418
200.sixtrack	1100	147	748	149	738
301.apsi	2600	225	1155	225	1155



Hardware

CPU:	Intel Xeon E5320 processor (1.86 GHz,1066MHz bus)
CPU MHz:	1860
FPU:	Integrated
CPU(s) enabled:	4 cores, 1 chip, 4 cores/chip
CPU(s) orderable:	1 chip
Parallel:	N/A
Primary Cache:	32KBI + 32KBD on chip per core
Secondary Cache:	8MB(I+D) on chip, per chip (4MB shared per 2 cores)
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8 X 2GB DDR2 ECC CL5 667MHz FBDIMM
Disk Subsystem:	1 X Seagate Barracuda 120GB 7200 RPM
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 SC816S-R700 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 http://www.supermicro.com/products/motherboard/Xeon1333/5000P/X7DBR-8.cfm
     The system bus runs at 1066 MHz
```