CFP2000 Result

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Supermicro

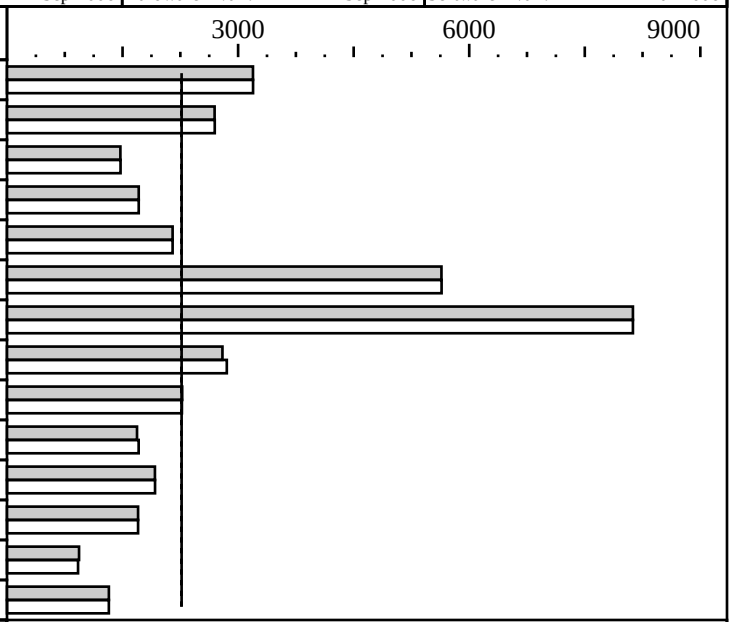
Motherboard X7DBP-8(2.33GHz, Intel Xeon 5140 processor)

SPECfp2000 = 2267

SPECfp_base2000 = 2263

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	50.1	3193	50.1	3194
171.swim	3100	115	2695	115	2697
172.mgrid	1800	122	1472	122	1474
173.applu	2100	123	1710	123	1710
177.mesa	1400	65.1	2150	65.1	2150
178.galgel	2900	51.4	5640	51.4	5641
179.art	2600	32.0	8125	32.0	8125
183.equake	1300	46.5	2797	45.6	2853
187.facerec	1900	83.5	2274	83.7	2270
188.ammp	2200	130	1688	129	1709
189.lucas	2000	104	1920	104	1922
191.fma3d	2100	123	1701	123	1701
200.sixtrack	1100	118	935	119	922
301.apsi	2600	197	1322	197	1322



Hardware

CPU:	Intel Xeon 5140 processor (2.33 GHz,1333MHz bus)
CPU MHz:	2330
FPU:	Integrated
CPU(s) enabled:	2 cores, 1 chip, 2 cores/chip
CPU(s) orderable:	1, 2
Parallel:	N/A
Primary Cache:	32KBI + 32KBD on chip per core
Secondary Cache:	4MB(I+D) (per chip), shared on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4 X 2GB DDR2 ECC CL5 667MHz FBDIMM
Disk Subsystem:	1 X Seagate Baeeacuda 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
```

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/X7DBP-8.cfm
The system bus runs at 1333 MHz