CFP2000 Result

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Supermicro

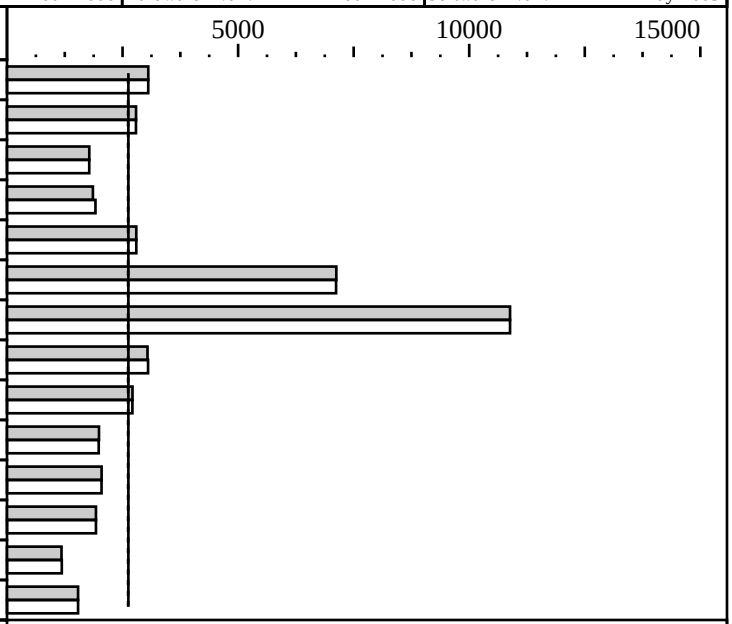
Motherboard X7DBP-8 (3.00GHz, Intel Xeon 5160 processor)

SPECfp2000 = 2626

SPECfp_base2000 = 2620

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	52.3	3057	52.4	3056
171.swim	3100	111	2792	111	2790
172.mgrid	1800	101	1780	101	1779
173.applu	2100	113	1858	110	1914
177.mesa	1400	50.0	2797	50.0	2797
178.galgel	2900	40.7	7125	40.7	7119
179.art	2600	23.9	10883	23.9	10883
183.equake	1300	42.8	3040	42.6	3052
187.facerec	1900	70.0	2715	70.0	2713
188.ammp	2200	111	1990	111	1984
189.lucas	2000	97.7	2046	97.8	2045
191.fma3d	2100	109	1925	109	1925
200.sixtrack	1100	93.3	1179	92.8	1185
301.apsi	2600	169	1538	169	1537



Hardware

CPU:	Intel Xeon 5160 processor (3.00GHz, 4MB L2 shared, 1333 MHz bus)
CPU MHz:	3000
FPU:	Integrated
CPU(s) enabled:	2 cores, 1 chip, 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, per chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8 x 512MB 667MHz CL5 DDR2 FB-DIMM
Disk Subsystem:	1 X WD 250GB 7200 SATA HDD
Other Hardware:	

Software

Operating System:	Microsoft Windows Server 2003 Enterprise Edition with 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 SC816-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 X7DBP:
 http://www.supermicro.com/products/motherboard/Xeon1333/5000P/X7DBP-8.cfm
The system bus runs at 1333 MHz
```