CFP2000 Result

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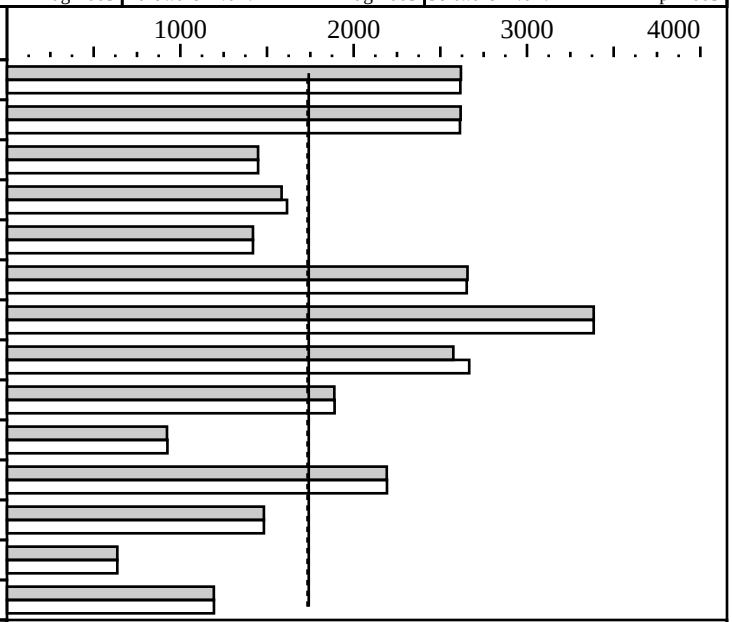
Supermicro
PDSMP-8/i Motherboard

SPECfp2000 = 1741

SPECfp_base2000 = 1734

SPEC license #01176 | Tested by: Supermicro | Test date: Aug-2005 | Hardware Avail: Aug-2005 | Software Avail: Apr-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	61.1	2619	61.2	2616
171.swim	3100	118	2617	119	2613
172.mgrid	1800	124	1449	124	1449
173.applu	2100	133	1584	130	1616
177.mesa	1400	98.7	1419	98.7	1419
178.galgel	2900	109	2657	109	2652
179.art	2600	76.8	3385	76.8	3385
183.equake	1300	50.5	2575	48.8	2667
187.facerec	1900	101	1888	101	1890
188.ammp	2200	238	923	238	926
189.lucas	2000	91.3	2191	91.2	2192
191.fma3d	2100	142	1482	142	1482
200.sixtrack	1100	173	636	173	636
301.apsi	2600	218	1193	218	1194



Hardware

CPU:	Intel Pentium D 840 Processor (3.2GHz, 800 MHz bus)
CPU MHz:	3200
FPU:	Integrated
CPU(s) enabled:	2 cores, 1 chip, 2 cores/chip
CPU(s) orderable:	1
Parallel:	No
Primary Cache:	12k micro-ops I + 16KBD/core on chip
Secondary Cache:	1024KB/core on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4 X 1024MB DDR2-667 ECC Unbuffered
Disk Subsystem:	1 X IDE Maxtor DiamondMax Plus 9 250GB
Other Hardware:	N/A

Software

Operating System:	Windows 2003 Enterprise Server
Compiler:	Intel C++ and Fortran Compiler 9.0 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
191.fmma3d approved windowsdp src.alt used
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
```

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Notes/Tuning Information (Continued)

```
183.equake:   -QxP -Oa -Qrcd -Qipo shlW32M.lib +FDO
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 system was built with 1U SC816S-400 -Redundant Power Supply.  Use only with Supermicro 1U chassis recommended
Product description located as of:
http://www.supermicro.com/products/motherboard/DualCore/E7230/PDSMP-8.cfm
The system bus runs at 800MHz
```