CFP2000 Result

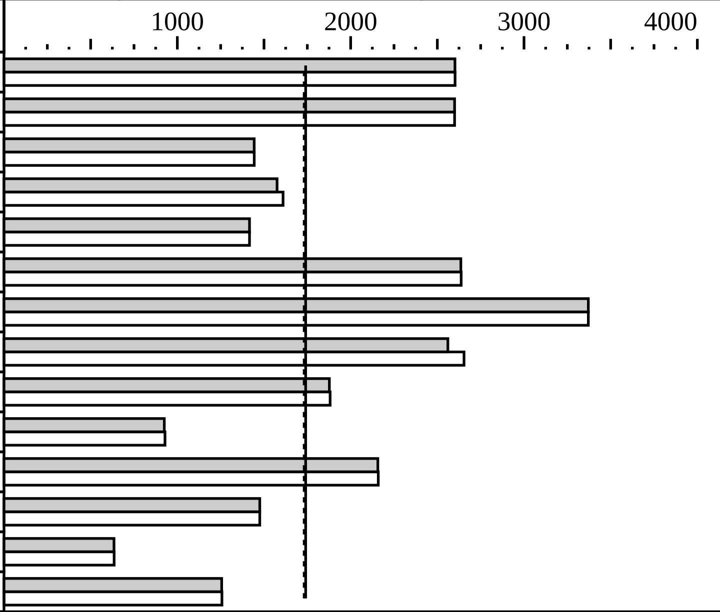
Supermicro
PDSMi Motherboard

SPECfp2000 = 1740

SPECfp_base2000 = 1732

SPEC license #: 001176	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	61.5	2602	61.5	2602
171.swim	3100	119	2600	119	2600
172.mgrid	1800	125	1443	125	1444
173.applu	2100	133	1575	130	1610
177.mesa	1400	98.8	1416	98.8	1416
178.galgel	2900	110	2636	110	2637
179.art	2600	77.1	3371	77.1	3371
183.equake	1300	50.8	2561	49.0	2654
187.facerec	1900	101	1877	101	1881
188.ammp	2200	238	925	237	929
189.lucas	2000	92.7	2157	92.6	2159
191.fma3d	2100	142	1476	142	1476
200.sixtrack	1100	173	635	173	635
301.apsi	2600	207	1256	207	1257



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 Mini 1U SC512C-260 Chassis. Use only with Supermicro chassis recommended
Product description located as of:
http://www.supermicro.com/products/motherboard/DualCore/E7230/PDSMi.cfm
The system bus runs at 800MHz