CFP2000 Result

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Supermicro

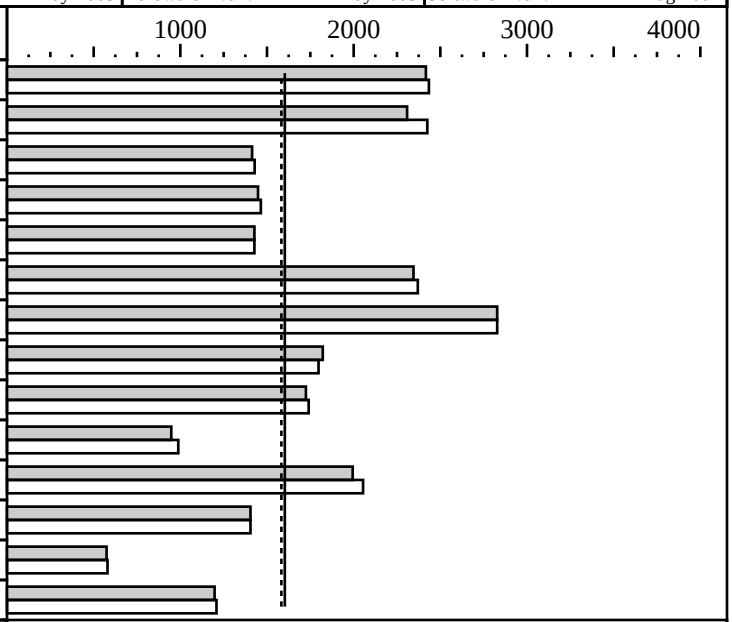
PDSLA/E Motherboard(Intel Pentium D 3.2GHz)

SPECfp2000 = 1603

SPECfp_base2000 = 1583

SPEC license #01176 | Tested by: Supermicro | Test date: May-2005 | Hardware Avail: May-2005 | Software Avail: Aug-2004

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	66.2	2417	65.7	2434
171.swim	3100	134	2308	128	2425
172.mgrid	1800	127	1414	126	1429
173.applu	2100	145	1448	143	1464
177.mesa	1400	98.1	1427	98.1	1427
178.galgel	2900	124	2345	122	2370
179.art	2600	91.9	2828	91.9	2828
183.equake	1300	71.4	1822	72.3	1797
187.facerec	1900	110	1725	109	1740
188.ammp	2200	232	948	223	988
189.lucas	2000	100	1994	97.4	2054
191.fma3d	2100	150	1405	150	1405
200.sixtrack	1100	191	575	190	580
301.apsi	2600	217	1198	215	1209



Hardware

CPU:	Intel Pentium D 3.2GHz
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 on chip
Secondary Cache:	1024KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4 X 1GB PC2 5300, Unbuffered, Non-ECC
Disk Subsystem:	1 X 120GB IDE
Other Hardware:	N/A

Software

Operating System:	Windows XP Professional SP2
Compiler:	Intel C++ and Fortran Compiler 8.1 Build 20040802Z Microsoft Visual Studio .Net 2003(for libraries)
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
+FDO: PASS1=  -Qprof_gen  PASS2=-Qprof_use
Base tuning:  -fast -Qansi_alias +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 +FDO
187.facerec:  -fast -Qunroll1 -Qscalar_rep- +FDO
188.ammp:     -Oa -QxP
189.lucas:    -fast -Qprefetch- +FDO
191.fma3d:    basepeak=yes
```

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Notes/Tuning Information (Continued)

```
200.sixtrack: -Qipo -QxP +FDO
301.apsi:     -fast +FDO
The system bus runs at 800 MHz
Tested system was built with SC733T-645 chassis and
a 420W (minimum) ATX power supply [4-pin +12V AND (20 or 24-pin)] is required.
See: http://www.supermicro.com/products/motherboard/DualCore/945/PDSLA.cfm
```