CFP2000 Result

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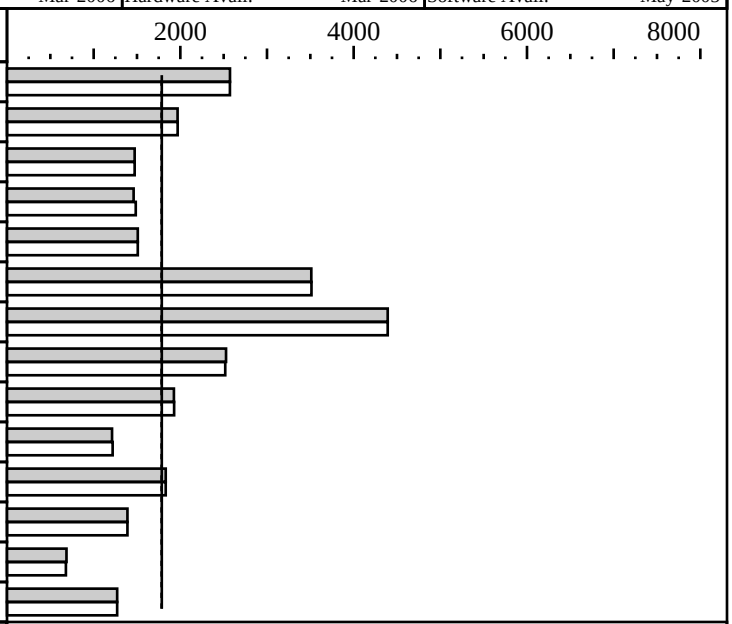
Supermicro
PDSML-LN2 Rev. 1.01 Motherboard

SPECfp2000 = 1786

SPECfp_base2000 = 1785

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	62.2	2573	62.2	2572
171.swim	3100	158	1968	157	1969
172.mgrid	1800	122	1473	122	1473
173.applu	2100	144	1461	141	1486
177.mesa	1400	92.8	1509	92.8	1509
178.galgel	2900	82.6	3511	82.5	3513
179.art	2600	59.2	4393	59.2	4393
183.equake	1300	51.4	2527	51.6	2518
187.facerec	1900	98.7	1926	98.5	1928
188.ammp	2200	182	1212	180	1219
189.lucas	2000	109	1831	109	1831
191.fma3d	2100	151	1390	151	1390
200.sixtrack	1100	160	686	162	680
301.apsi	2600	205	1271	205	1271



Hardware

CPU:	Intel Pentium Processor Extreme Edition 955 (3.46Ghz, 1066FSB)
CPU MHz:	3460
FPU:	Integrated
CPU(s) enabled:	2 cores, 1 chip, 2 cores/chip (Hyper-Threading Technology Disabled)
CPU(s) orderable:	1
Parallel:	No
Primary Cache:	12k micro-ops I + 16KBD on chip per core
Secondary Cache:	2MB(I+D) on chip per core
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4 x 1024MB ATP DDR2-533 ECC
Disk Subsystem:	36GB Western Digital WD360 SATA HDD
Other Hardware:	N/A

Software

Operating System:	Windows Server 2003 Enterprise Edition 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 C programs: -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
187.facerec:  -fast -Qunroll1 -Qscalar_rep- +FDO
188.ammp:     -fast -Oa +FDO shlW32M.lib
189.lucas:    -fast -Qprefetch- +FDO
```

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Notes/Tuning Information (Continued)

```
191.fma3d:    basepeak=yes
200.sixtrack: -Qipo -QxP +FDO
301.apsi:     -fast +FDO
Tested system was built with SC811T-300, http://www.supermicro.com/products/chassis/1U/811/SC811T-300.cfm
Fixed 300W AC power supply module with PFC [ 24-pin, (4-pin=12V), 4-pin HDD ]
Product description located as of:
http://www.supermicro.com/products/motherboard/DualCore/E7230/PDSML-LN2.cfm
Used On-board XGI XG20 graphics, 16MB DDR video memory
The system bus runs at 1066 MHz
```