CFP2000 Result

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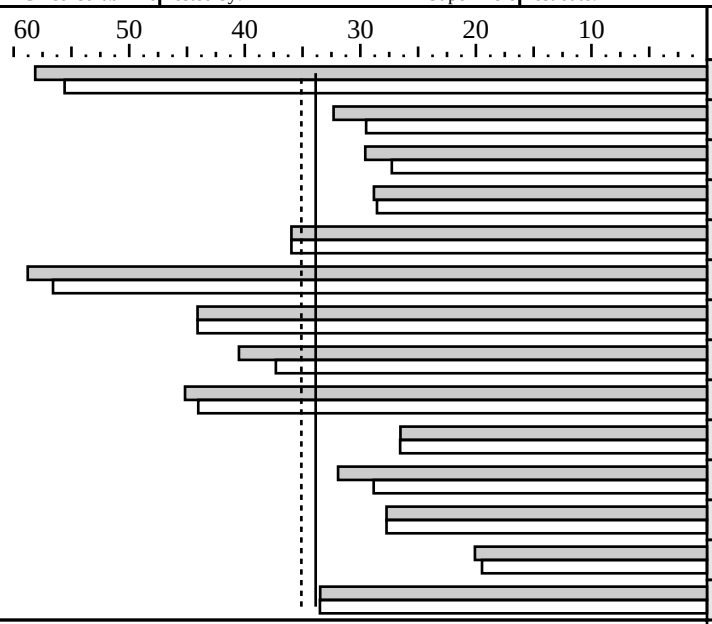
Supermicro
PDSML-LN2 Rev. 1.01 Motherboard

SPECfp_rate2000 = 33.9

SPECfp_rate_base2000 = 35.1

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	128	58.1	4	134	55.6
171.swim	4	445	32.3	4	488	29.5
172.mgrid	4	282	29.6	4	306	27.3
173.applu	4	338	28.8	4	341	28.6
177.mesa	4	181	36.0	4	181	36.0
178.galgel	4	229	58.8	4	238	56.6
179.art	4	274	44.1	4	274	44.1
183.equake	4	149	40.5	4	162	37.3
187.facerec	4	195	45.2	4	200	44.0
188.ammp	4	385	26.5	4	384	26.6
189.lucas	4	291	31.9	4	322	28.8
191.fma3d	4	351	27.7	4	351	27.7
200.sixtrack	4	254	20.1	4	262	19.5
301.apsi	4	360	33.5	4	360	33.5

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 Enabled)
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