



CFP2000 Result

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Supermicro PDSMi Motherboard

SPECfp2000 = 1740

SPECfp_base2000 = 1732

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	1000 2000 3000 4000			
168.wupwise	1600	61.5	2602	61.5	2602	[Bar chart showing ratio 2602]			
171.swim	3100	119	2600	119	2600	[Bar chart showing ratio 2600]			
172.mgrid	1800	125	1443	125	1444	[Bar chart showing ratio 1444]			
173.applu	2100	133	1575	130	1610	[Bar chart showing ratio 1610]			
177.mesa	1400	98.8	1416	98.8	1416	[Bar chart showing ratio 1416]			
178.galgel	2900	110	2636	110	2637	[Bar chart showing ratio 2637]			
179.art	2600	77.1	3371	77.1	3371	[Bar chart showing ratio 3371]			
183.earthquake	1300	50.8	2561	49.0	2654	[Bar chart showing ratio 2654]			
187.facerec	1900	101	1877	101	1881	[Bar chart showing ratio 1881]			
188.ammpp	2200	238	925	237	929	[Bar chart showing ratio 929]			
189.lucas	2000	92.7	2157	92.6	2159	[Bar chart showing ratio 2159]			
191.fmma3d	2100	142	1476	142	1476	[Bar chart showing ratio 1476]			
200.sixtrack	1100	173	635	173	635	[Bar chart showing ratio 635]			
301.apsi	2600	207	1256	207	1257	[Bar chart showing ratio 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.earthquake: -fast shlw32M.lib +FDO
Base tuning for 188.ammpp: -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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PDSMi Motherboard

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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