



CFP2000 Result

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Supermicro

X6DLP-4G2 Motherboard (Dual-Core Intel Xeon processor LV 2.00GHz)

SPECfp2000 = 1341

SPECfp_base2000 = 1343

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	106	1503	107	1502	
171.swim	3100	196	1579	196	1581	
172.mgrid	1800	174	1037	174	1036	
173.applu	2100	257	818	256	819	
177.mesa	1400	89.4	1566	89.4	1566	
178.galgel	2900	104	2782	104	2781	
179.art	2600	75.3	3453	75.3	3453	
183.earthquake	1300	65.5	1983	67.5	1925	
187.facerec	1900	128	1482	128	1485	
188.amp	2200	255	864	257	857	
189.lucas	2000	140	1433	140	1432	
191.fma3d	2100	199	1055	199	1055	
200.sixtrack	1100	218	504	216	509	
301.apsi	2600	244	1064	244	1064	

Hardware

CPU: Dual-Core Intel Xeon processor LV (2.00GHz, 667MHz)
CPU MHz: 2000
FPU: Integrated
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip
CPU(s) orderable: 1, 2
Parallel: No
Primary Cache: 32KBI + 32KBD on chip per core
Secondary Cache: 2MB(I+D) on chip per core
L3 Cache: N/A
Other Cache: N/A
Memory: 8 X 2048MB DDR2-400 Register ECC, CL3
Disk Subsystem: 1 X IDE Seagate Barracuda 7200.9 120GB ATA100 7200RPM
Other Hardware: N/A

Software

Operating System: Windows 2003 Enterprise Edition w/ 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 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.amp: -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.earthquake: -QxP -Oa -Qrcd -Qipo shlw32M.lib +FDO
```



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Notes/Tuning Information (Continued)

187.facerec: -fast -Qunroll11 -Qscalar_rep- +FDO

188.amp: -fast -Oa +FDO shlw32M.lib

189.lucas: -fast -Qprefetch- +FDO

191.fma3d: basepeak=yes

200.sixtrack: -Qipo -QxP +FDO

301.apsi: -fast +FDO

-QxP for these benchmarks was only specified for PASS2

Tested system was built with 1U SC811LF-260 Chassis. For a general system, a 260W (minimum) ATX12V power supply [4-pin +12V AND 24-pin is recommended to assure system stability].

On board ATI Rage XL graphic used when test run.

The system bus runs at 667 MHz