



CFP2000 Result

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Supermicro

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

SPECfp_rate2000 = 32.1

SPECfp_rate_base2000 = 32.1

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	152	48.8	4	152	48.9
171.swim	4	656	21.9	4	656	21.9
172.mgrid	4	451	18.5	4	451	18.5
173.applu	4	489	19.9	4	487	20.0
177.mesa	4	90.3	71.9	4	90.3	71.9
178.galgel	4	235	57.3	4	234	57.4
179.art	4	288	42.0	4	288	42.0
183.quake	4	190	31.7	4	191	31.6
187.facerec	4	222	39.7	4	222	39.7
188.amp	4	410	24.9	4	423	24.1
189.lucas	4	401	23.1	4	401	23.1
191.fma3d	4	354	27.5	4	354	27.5
200.sixtrack	4	224	22.8	4	222	23.0
301.apsi	4	300	40.2	4	302	39.9

Hardware

CPU: Dual-Core Intel Xeon processor LV (2.00GHz, 667MHz)
CPU MHz: 2000
FPU: Integrated
CPU(s) enabled: 4 cores, 2 chips, 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.quake: -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.quake: -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