



CFP2000 Result

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Supermicro
X6DVL-EG2 (3.6GHz, Intel Xeon)

SPECfp2000 = 1501
SPECfp_base2000 = 1500

SPEC license #01176 Tested by: Supermicro Test date: Apr-2005 Hardware Avail: Dec-2004 Software Avail: Aug-2004

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	64.3	2489	64.3	2487	
171.swim	3100	162	1913	162	1913	
172.mgrid	1800	130	1389	130	1389	
173.applu	2100	151	1395	151	1387	
177.mesa	1400	87.8	1594	87.8	1594	
178.galgel	2900	131	2208	131	2207	
179.art	2600	112	2322	112	2322	
183.quake	1300	78.0	1667	79.5	1634	
187.facerec	1900	111	1718	110	1720	
188.amp	2200	239	921	233	943	
189.lucas	2000	118	1696	118	1696	
191.fma3d	2100	153	1376	153	1376	
200.sixtrack	1100	171	644	168	655	
301.apsi	2600	267	974	267	974	

Hardware

CPU: Intel Xeon processor (3.6 GHz, 800 MHz System bus)
CPU MHz: 3600
FPU: Integrated
CPU(s) enabled: 2 cores, 2 chips, 1 core/chip (Hyper-Threading Technology Enabled)
CPU(s) orderable: 1, 2
Parallel: No
Primary Cache: 12k micro-ops I + 16KBD on chip
Secondary Cache: 1024KB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 4x1GB DDR2-400 REG ECC CL3
Disk Subsystem: 1x40GB IDE
Other Hardware:

Software

Operating System: Windows Server 2003 EE
Compiler: Intel C++ and Fortran Compiler 8.1 Build 20040802Z
Microsoft Visual Studio .Net 2003(for libraries)
File System: NTFS
System State: Default

Notes/Tuning Information

```
+FDO: PASS1= -Qprof_gen PASS2=-Qprof_use
Base tuning: -fast -Qansi_alias +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 +FDO
187.facerec: -fast -Qunroll1 -Qscalar_rep- +FDO
188.amp: -Oa -QxP
189.lucas: -fast -Qprefetch- +FDO
191.fma3d: basepeak=yes
```



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Notes/Tuning Information (Continued)

200.sixtrack: -Qipo -QxP +FDO

301.apsi: -fast +FDO

The system bus runs at 800 MHz

Tested system can be used with a 420W (minimum) ATX power supply [8-pin (+12V) and 24-pin are required]