CFP2000 Result

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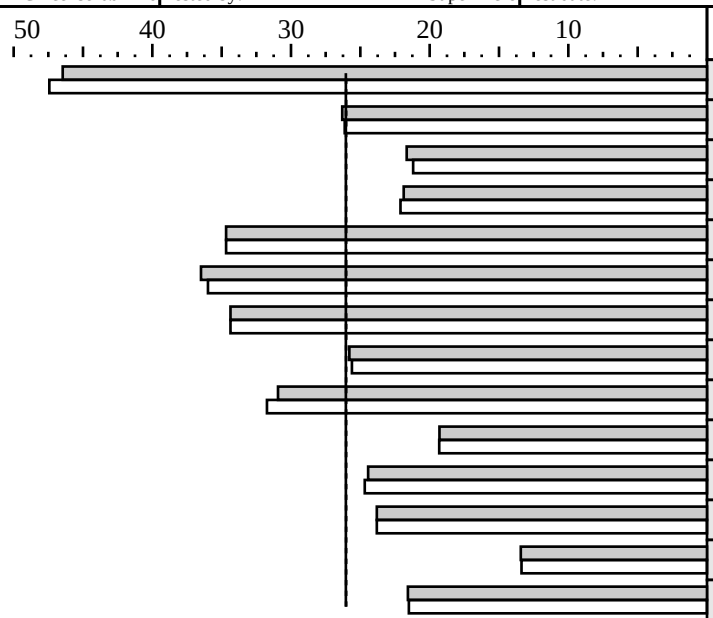
Supermicro
X6DHR-8G2

SPECfp_rate2000 = 26.0

SPECfp_rate_base2000 = 26.0

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	79.9	46.5	2	78.3	47.4
171.swim	2	273	26.3	2	275	26.1
172.mgrid	2	193	21.7	2	197	21.2
173.applu	2	223	21.9	2	220	22.1
177.mesa	2	93.7	34.7	2	93.7	34.7
178.galgel	2	184	36.5	2	187	36.0
179.art	2	176	34.4	2	176	34.4
183.equake	2	117	25.8	2	118	25.6
187.facerec	2	142	30.9	2	139	31.7
188.ammp	2	265	19.3	2	264	19.3
189.lucas	2	190	24.4	2	188	24.7
191.fma3d	2	205	23.8	2	205	23.8
200.sixtrack	2	190	13.4	2	191	13.4
301.apsi	2	280	21.6	2	281	21.5

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:	8X 1GB Apacer DDRII 400 REG ECC CL3
Disk Subsystem:	250GB Maxtor 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.equake:   -QxP -Oa -Qrcd -Qipo +FDO
187.facerec:  -fast -Qunroll1 -Qscalar_rep- +FDO
188.ammp:     -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]
```