CFP2000 Result

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Supermicro

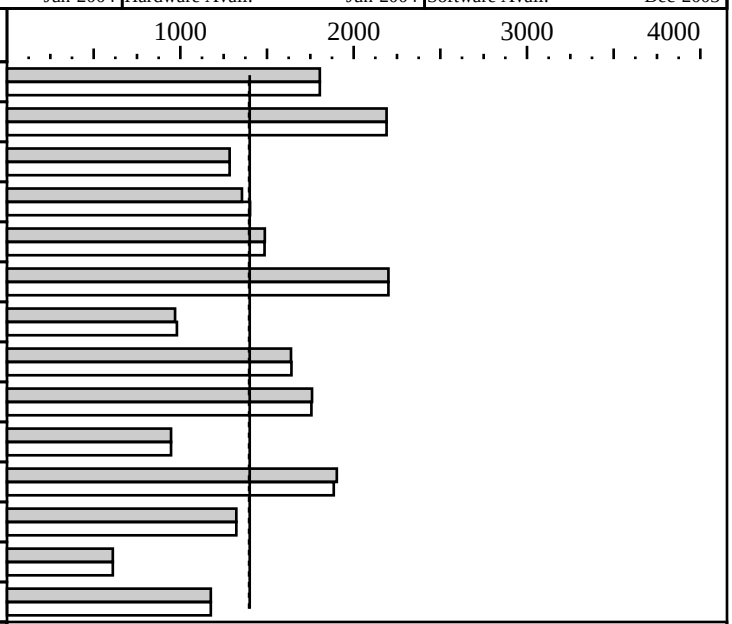
X6DH8-XG2 (3.40 GHz Xeon, 1MB L2 Cache)

SPECfp2000 = 1400

SPECfp_base2000 = 1397

SPEC license #01176 | Tested by: Supermicro Inc., San Jose, CA | Test date: Jun-2004 | Hardware Avail: Jun-2004 | Software Avail: Dec-2003

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	88.7	1805	88.7	1805
171.swim	3100	142	2190	142	2190
172.mgrid	1800	140	1284	140	1284
173.applu	2100	155	1356	150	1402
177.mesa	1400	94.1	1487	94.2	1486
178.galgel	2900	132	2201	132	2201
179.art	2600	268	970	265	980
183.equake	1300	79.3	1638	79.2	1641
187.facerec	1900	108	1760	108	1756
188.ammp	2200	232	946	232	946
189.lucas	2000	105	1903	106	1885
191.fma3d	2100	159	1323	159	1323
200.sixtrack	1100	180	610	180	610
301.apsi	2600	221	1176	221	1176



Hardware

CPU:	Intel Xeon (3.4GHz, 800 MHz system bus)
CPU MHz:	3400
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 1 core/chip (HT Technology enabled)
CPU(s) orderable:	1, 2
Parallel:	No
Primary Cache:	12K(I) micro-ops + 16KB(D) on chip
Secondary Cache:	1024KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8 x 512GB ECC CL3 PC2 3200 DDRII SDRAM
Disk Subsystem:	1 x 73GB U320 SCSI, 10K RPM
Other Hardware:	

Software

Operating System:	Windows 2003 Enterprise Server
Compiler:	Intel C/C++ Compiler 8.0 (20031229Z) Intel Fortran Compiler 8.0 (20031229Z) Microsoft Visual Studio .NET (7.0.9466)
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
PORTABILITY
  178.galgel:   -FI /F32000000
FEEDBACK DIRECTED OPTMIZATION
  ONESTEP=YES
  FDO:          PASS1=  -Qprof_gen  PASS2=-Qprof_use
BASE TUNING
  C/F77/F90:    -QxN  -Qipo -O3     +FDO
PEAK TUNING
  168.wupwise:  basepeak=yes
  171.swim:     basepeak=yes
  172.mgrid:    basepeak=yes
  173.applu:    -QxN  -Qipo -O3     -Qscalar_rep- -Qauto +FDO
  177.mesa:     -QxN  -Qipo -O3 -Oa +FDO
  178.galgel:   basepeak=yes
  179.art:            -Qipo     -Oa -Qunroll4 -Zp4
  183.equake:   -QxN  -Qipo -O3 -Oa -Qrcd +FDO
  187.facerec:  -QaxN -Qipo -O3     -Qunroll1 -Qscalar_rep- +FDO
```

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Notes/Tuning Information (Continued)

```
188.ammp:     basepeak=yes
189.lucas:    -QaxN -Qipo -O3
191.fma3d:    basepeak=yes
200.sixtrack: basepeak=yes
301.apsi:     basepeak=yes
```