CFP2000 Result

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Supermicro

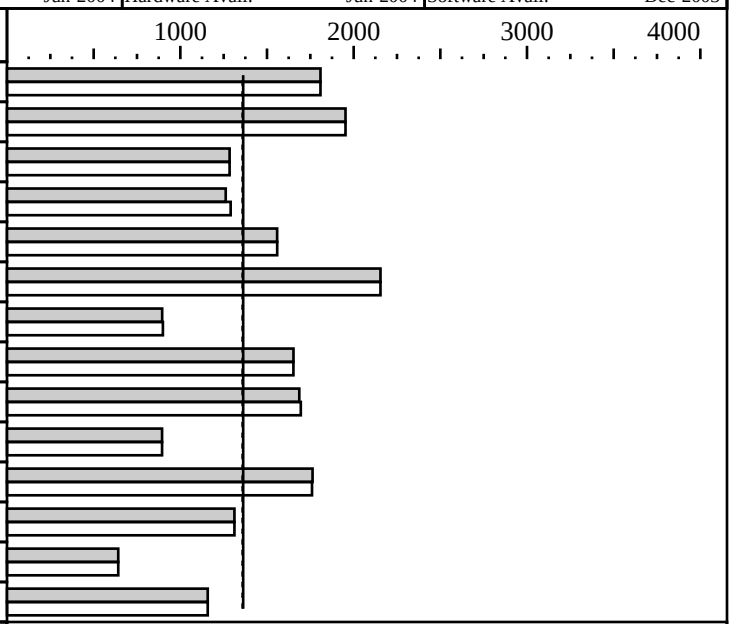
X6DHP-8G (3.60 GHz Xeon, 1MB L2 Cache)

SPECfp2000 = 1363

SPECfp_base2000 = 1360

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	88.5	1809	88.5	1809
171.swim	3100	159	1953	159	1953
172.mgrid	1800	140	1284	140	1284
173.applu	2100	166	1262	163	1290
177.mesa	1400	89.8	1559	89.8	1559
178.galgel	2900	135	2155	135	2155
179.art	2600	290	895	289	899
183.equake	1300	78.7	1653	78.7	1652
187.facerec	1900	113	1686	112	1695
188.ammp	2200	246	895	246	895
189.lucas	2000	113	1763	114	1760
191.fma3d	2100	160	1312	160	1312
200.sixtrack	1100	171	642	171	642
301.apsi	2600	225	1158	225	1158



Hardware

CPU:	Intel Xeon (3.6GHz, 800 MHz system bus)
CPU MHz:	3600
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:	None
Other Cache:	N/A
Memory:	6 x 1024MB ECC CL2.5 PC 2700 DDR 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) MicroQuill SmartHeap Library 7.1
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
```