CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Supermicro

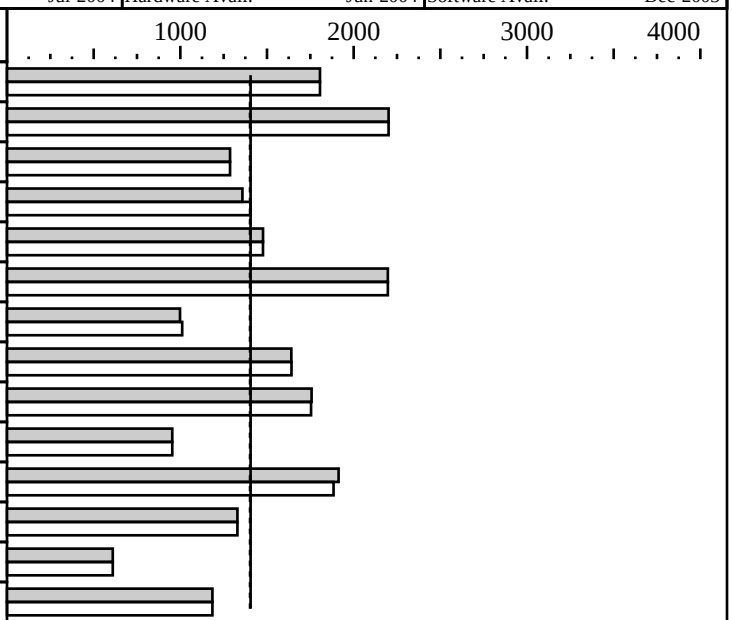
X6DH8-G2 (3.40 GHz Xeon, 1MB L2 Cache)

SPECfp2000 = 1405

SPECfp_base2000 = 1402

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	88.6	1806	88.6	1806
171.swim	3100	141	2202	141	2202
172.mgrid	1800	140	1287	140	1287
173.applu	2100	155	1358	149	1405
177.mesa	1400	94.8	1477	94.8	1477
178.galgel	2900	132	2197	132	2197
179.art	2600	260	998	257	1011
183.equake	1300	79.3	1640	79.2	1641
187.facerec	1900	108	1757	108	1754
188.ammp	2200	231	953	231	953
189.lucas	2000	105	1913	106	1884
191.fma3d	2100	158	1329	158	1329
200.sixtrack	1100	180	610	180	610
301.apsi	2600	219	1185	219	1185



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:	None
Other Cache:	N/A
Memory:	8 x 1024MB ECC CL2.5 PC2 3200 DDRII SDRAM
Disk Subsystem:	1 x 73GB U320 SCSI, 10K RPM
Other Hardware:	

Software

Operating System:	Windows 2003 Enterprise Server w/ SP1 v.1184
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
```

Copyright ©1999-2004, Standard Performance Evaluation Corporation

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
```