CFP2000 Result

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Supermicro

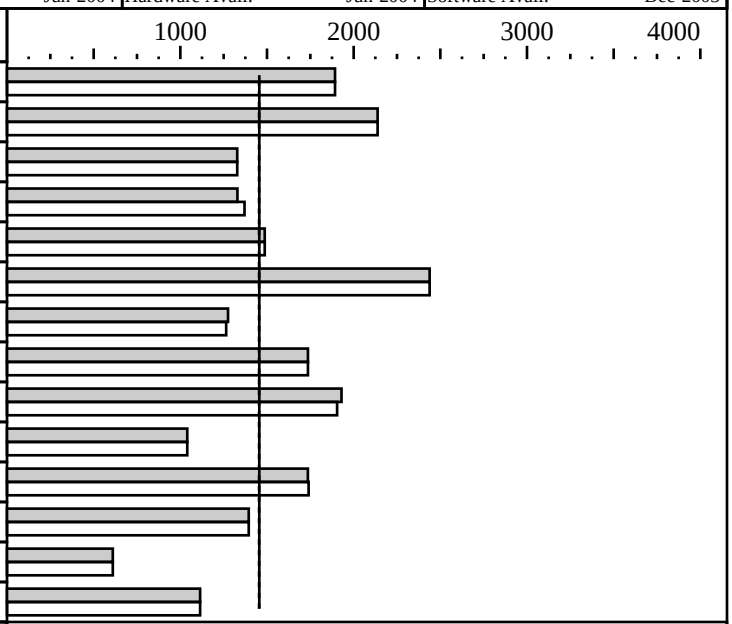
SUPER P4SCT+II(3.4 GHz, Pentium 4 processor)

SPECfp2000 = 1456

SPECfp_base2000 = 1454

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	84.5	1892	84.5	1892
171.swim	3100	145	2138	145	2138
172.mgrid	1800	136	1328	136	1328
173.applu	2100	158	1329	153	1370
177.mesa	1400	94.2	1487	94.2	1487
178.galgel	2900	119	2438	119	2438
179.art	2600	204	1275	206	1265
183.equake	1300	74.9	1736	74.9	1736
187.facerec	1900	98.5	1930	99.8	1904
188.ammp	2200	212	1040	212	1040
189.lucas	2000	115	1736	115	1740
191.fma3d	2100	151	1395	151	1395
200.sixtrack	1100	180	610	180	610
301.apsi	2600	233	1114	233	1114



Hardware

CPU:	Pentium 4 processor (3.4 GHz, 800 MHz bus)
CPU MHz:	3400
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip (HT Technology enabled)
CPU(s) orderable:	1
Parallel:	No
Primary Cache:	12K(I) micro-ops + 8KB(D) on chip
Secondary Cache:	512KB(I+D) on chip
L3 Cache:	1024KB(I+D) on chip
Other Cache:	N/A
Memory:	4 x 256MB Unbuffered CL2.5 PC 3200 DDR SDRAM
Disk Subsystem:	1 x Seagate 40GB IDE
Other Hardware:	

Software

Operating System:	Windows XP Professional W/ SP1a
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
Used the "-u 2" option on the runspec command
Up to 4GB of Unbuffered DDR-400/333/266 memory
Hyper threading Enabled
ATX form factor optimized for 1U/2U/4U/Tower chassis
See Link for more chassis compatibility lists at
http://www.supermicro.com/PRODUCT/Chassis/compatibility.htm.
```