CFP2000 Result

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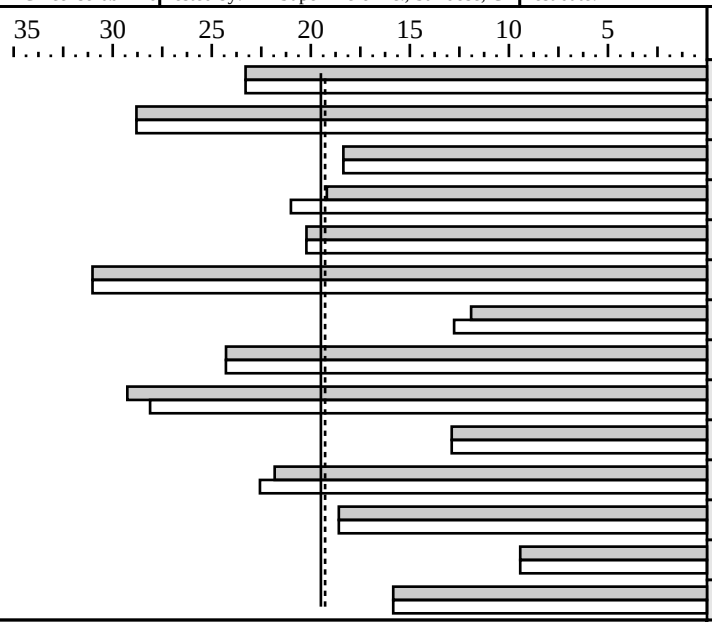
SuperMicro
Super P8SC8 (3.80 GHz Pentium 4)

SPECfp_rate2000 = 19.5

SPECfp_rate_base2000 = 19.3

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	159	23.3	2	159	23.3
171.swim	2	250	28.8	2	250	28.8
172.mgrid	2	228	18.4	2	228	18.4
173.applu	2	254	19.2	2	232	21.0
177.mesa	2	161	20.2	2	161	20.2
178.galgel	2	217	31.0	2	217	31.0
179.art	2	507	11.9	2	473	12.8
183.equake	2	124	24.3	2	124	24.3
187.facerec	2	151	29.3	2	157	28.1
188.ammp	2	396	12.9	2	396	12.9
189.lucas	2	213	21.8	2	206	22.6
191.fma3d	2	262	18.6	2	262	18.6
200.sixtrack	2	271	9.43	2	271	9.43
301.apsi	2	381	15.8	2	381	15.8

Hardware

CPU:	Intel Pentium 4 3.8GHz (800 MHz system bus)
CPU MHz:	3800
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:	1024KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4 x 1024MB ECC DDR533 SDRAM
Disk Subsystem:	1 x 80GB ATA/100 7200 RPM
Other Hardware:	

Software

Operating System:	Windows 2003 Enterprise Server
Compiler:	Intel C/C++ Compiler 8.0 (20031229Z) Microsoft Visual Studio .NET 7.0.9466 (for libraries)
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
```