CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

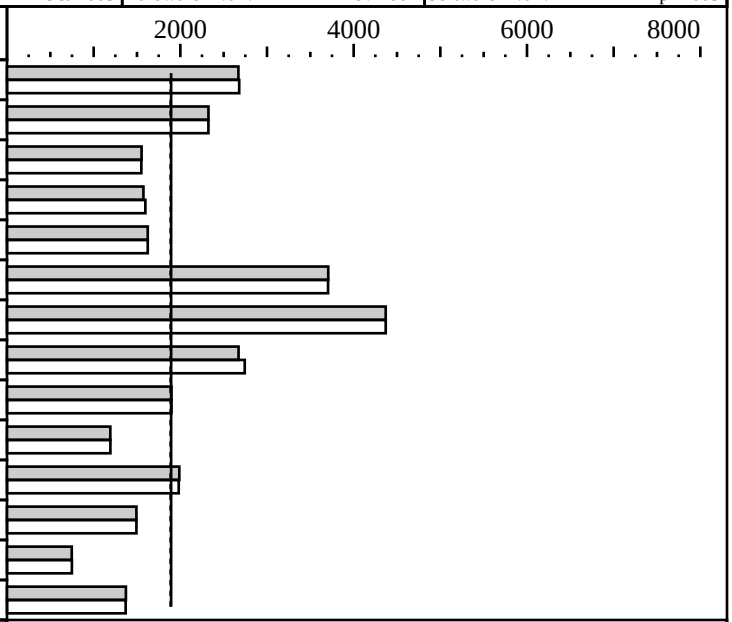
Supermicro
X6DAE/8-G2 Motherboard

SPECfp2000 = 1894

SPECfp_base2000 = 1889

SPEC license #01176 | Tested by: Supermicro | Test date: Oct-2005 | Hardware Avail: Nov-2004 | Software Avail: Apr-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	59.9	2670	59.7	2679
171.swim	3100	133	2325	133	2324
172.mgrid	1800	116	1553	116	1550
173.applu	2100	133	1574	132	1597
177.mesa	1400	86.2	1624	86.2	1624
178.galgel	2900	78.2	3707	78.3	3705
179.art	2600	59.5	4370	59.5	4370
183.equake	1300	48.7	2672	47.4	2743
187.facerec	1900	100	1897	100	1897
188.ammp	2200	185	1192	184	1193
189.lucas	2000	101	1988	101	1981
191.fma3d	2100	141	1493	141	1493
200.sixtrack	1100	147	747	147	748
301.apsi	2600	190	1372	190	1369



Hardware

CPU:	Intel Xeon 3.8GHz processor (3.8 GHz, 2MB L2, 800 MHz bus)
CPU MHz:	3800
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip(Hyper-Threading Technology Disabled)
CPU(s) orderable:	1
Parallel:	No
Primary Cache:	12k micro-ops I + 16KBD on chip
Secondary Cache:	2048KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8GB (8x1GB DDR2 400 ECC REG)
Disk Subsystem:	1 X 40GB IDE
Other Hardware:	N/A

Software

Operating System:	Windows 2003 EE SP1
Compiler:	Intel C++ and Fortran Compiler 9.0 Build 20050430Z (32-bit) Microsoft Visual Studio .Net 2003(for libraries) SmartHeap Library Version 7.4 from http://www.microquill.com/
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
+FDO: PASS1=  -Qprof_gen  PASS2=-Qprof_use
Base tuning for Fortran programs: -fast -Qansi_alias +FDO
Base tuning for C programs: -fast +FDO shlW32M.lib
shlW32M.lib is the SmartHeap Library
Portability:
178.galgel:   -FI /F32000000
191.fmma3d approved windowsdp src.alt used
Peak tuning:
168.wupwise:  -fast -Qansi_alias +FDO
171.swim:     -fast -Qansi_alias +FDO
172.mgrid:    -fast -Qansi_alias +FDO
173.applu:  -fast -Qscalar_rep- -Qauto  +FDO
177.mesa:   basepeak=yes
178.galgel:   -fast -Qansi_alias +FDO
179.art:      basepeak=yes
183.equake:   -QxP -Oa -Qrcd -Qipo shlW32M.lib +FDO
187.facerec:  -fast -Qunroll1 -Qscalar_rep- +FDO
```

Copyright ©1999-2005, Standard Performance Evaluation Corporation

Notes/Tuning Information (Continued)

```
188.ammp:     -fast -Oa +FDO shlW32M.lib
189.lucas:    -fast -Qprefetch- +FDO
191.fma3d:    basepeak=yes
200.sixtrack: -Qipo -QxP +FDO
301.apsi:     -fast +FDO
New 32-bt Windows tools used, approved in May-2005
Tested system was built with SC743S1-645 - Low Noise Chassis.
Product description located as of:
http://www.supermicro.com/products/motherboard/Xeon800/E7525/X6DA8-G2.cfm
The system bus runs at 800MHz
```