



CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

Supermicro

Motherboard X7DA8 (3.73GHz, Intel Dual-Core Xeon processor 5080)

SPECfp2000 = 1924

SPECfp_base2000 = 1922

SPEC license #01176 Tested by: Supermicro Test date: May-2006 Hardware Avail: May-2006 Software Avail: Mar-2006

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	48.0	3333	48.0	3332	
171.swim	3100	138	2246	138	2247	
172.mgrid	1800	121	1488	121	1485	
173.applu	2100	123	1705	123	1705	
177.mesa	1400	86.5	1618	86.5	1618	
178.galgel	2900	76.5	3790	76.5	3789	
179.art	2600	55.3	4705	55.3	4705	
183.equake	1300	50.5	2573	49.5	2624	
187.facerec	1900	94.8	2005	94.8	2004	
188.amp	2200	190	1156	189	1163	
189.lucas	2000	98.8	2025	98.8	2025	
191.fma3d	2100	139	1514	139	1514	
200.sixtrack	1100	149	736	151	730	
301.apsi	2600	205	1271	205	1270	

Hardware

CPU: Intel Dual-Core Xeon processor 5080 (3.73 GHz, 1066 MHz bus)
CPU MHz: 3730
FPU: Integrated
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip (Hyper-Threading Technology disabled)
CPU(s) orderable: 1, 2
Parallel: No
Primary Cache: 12k micro-ops I + 16KBD (on chip) per core
Secondary Cache: 2MB(I+D) (on chip) per core
L3 Cache: N/A
Other Cache: N/A
Memory: 8 X 512MB 667MHz CL5 DDR2 FB-DIMM
Disk Subsystem: WD 2500 250GB
Other Hardware: N/A

Software

Operating System: Windows XP Professional w/ SP2
Compiler: Intel C++ and Fortran Compiler 9.1 for 32-bit applications
Build 20060323Z Package ID: W_FC_P_9.1.020
Microsoft Visual Studio 2005 (for libraries)
SmartHeap Library Version 8.0 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 177.mesa: -fast +FDO shlw32M.lib
Base tuning for 179.art: -fast +FDO shlw32M.lib
Base tuning for 183.equake: -fast +FDO shlw32M.lib
Base tuning for 188.amp: -fast +FDO shlw32M.lib
Portability:
178.galgel: -FI /F32000000
Peak tuning:
168.wupwise: -fast -Qansi_alias +FDO
171.swim: -fast -Qansi_alias +FDO
172.mgrid: -fast -Qansi_alias +FDO
173.applu: basepeak=yes
177.mesa: basepeak=yes
178.galgel: -fast -Qansi_alias +FDO
179.art: basepeak=yes
183.equake: -QxP -Oa -Qrcd -Qipo +FDO shlw32M.lib
```



CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

Supermicro

Motherboard X7DA8 (3.73GHz, Intel Dual-Core Xeon processor 5080)

SPECfp2000 = 1924

SPECfp_base2000 = 1922

SPEC license #01176 | Tested by: Supermicro | Test date: May-2006 | Hardware Avail: May-2006 | Software Avail: Mar-2006

Notes/Tuning Information (Continued)

187.facerec: -fast -Qunroll11 -Qscalar_rep- +FDO

188.amp: -fast -Oa +FDO shlw32M.lib

189.lucas: -fast -Qprefetch- +FDO

191.fma3d: basepeak=yes

200.sixtrack: -Qipo -QxP +FDO

Tested systems can be used with SC825S2-R700LPV case,

To ensure system stability, a 500W (minimum) ATX power supply

[4-pin (+12V), 8-pin (+12V) and 24-pin are required]

Product description located as of X7DA8:

<http://www.supermicro.com/products/motherboard/Xeon1333/5000X/X7DA8.cfm>

The system bus runs at 1333 MHz