CFP2000 Result

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Supermicro

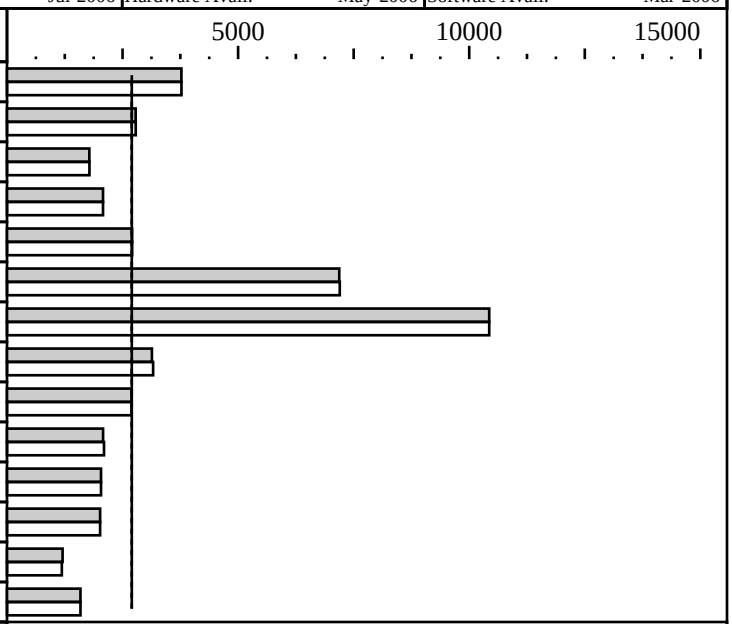
Motherboard X7DVA-E/8(3.00GHz, Intel Xeon 5160 processor)

SPECfp2000 = 2700

SPECfp_base2000 = 2698

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	42.4	3773	42.4	3774
171.swim	3100	111	2783	111	2785
172.mgrid	1800	101	1781	101	1784
173.applu	2100	101	2077	101	2077
177.mesa	1400	51.7	2706	51.7	2706
178.galgel	2900	40.3	7188	40.3	7199
179.art	2600	24.9	10433	24.9	10433
183.equake	1300	41.5	3135	41.1	3161
187.facerec	1900	70.5	2696	70.6	2693
188.ammp	2200	106	2079	105	2099
189.lucas	2000	98.3	2034	98.3	2034
191.fma3d	2100	104	2014	104	2014
200.sixtrack	1100	91.5	1203	92.7	1186
301.apsi	2600	164	1589	164	1589



Hardware

CPU:	Intel Xeon 5160 processor (3.00 GHz,1333MHz bus)
CPU MHz:	3000
FPU:	Integrated
CPU(s) enabled:	2 cores, 1 chip, 2 cores/chip
CPU(s) orderable:	1, 2
Parallel:	No
Primary Cache:	32KBI + 32KBD on chip per core
Secondary Cache:	4MB(I+D) on chip (per chip)
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4 X 2GB 667MHz CL5 DDR2 FB-DIMM
Disk Subsystem:	Seagate Barracuda 7200.9 120GB IDE, 7200RPM
Other Hardware:	N/A

Software

Operating System:	Windows Server 2003 Enterprise Edition 32-bits w/ SP1
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.ammp:  -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
```

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Notes/Tuning Information (Continued)

```
187.facerec:  -fast -Qunroll1 -Qscalar_rep- +FDO
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
     Tested systems can be used with SC811S-520 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 X7DVA: http://www.supermicro.com/products/motherboard/Xeon1333/5000V/X7DVA-8.cfm
     The system bus runs at 1333 MHz
```