



CINT2000 Result

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Supermicro

Motherboard X7DB8 (3.00GHz, Intel Xeon 5160 processor)

SPECint2000 = 2988

SPECint_base2000 = 2985

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	
164.gzip	1400	76.4	1833	76.4	1833	
175.vpr	1400	67.0	2091	65.5	2138	
176.gcc	1100	37.1	2965	37.1	2965	
181.mcf	1800	41.3	4359	41.3	4359	
186.crafty	1000	36.2	2762	36.4	2750	
197.parser	1800	78.6	2290	78.7	2287	
252.eon	1300	33.3	3904	33.3	3910	
253.perlbmk	1800	49.0	3676	49.2	3657	
254.gap	1100	38.1	2888	38.1	2888	
255.vortex	1900	38.3	4967	38.3	4967	
256.bzip2	1500	65.9	2276	66.0	2272	
300.twolf	3000	87.9	3411	88.0	3410	

Hardware

CPU: Intel Xeon 5160 processor (3.00 GHz, 4MB L2 shared, 1333 MHz bus)
CPU MHz: 3000
FPU: Integrated
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip
CPU(s) orderable: 1, 2
Parallel: --
Primary Cache: 32KBI + 32KBD on chip per core
Secondary Cache: 4MB(I+D) on chip shared
L3 Cache: N/A
Other Cache: N/A
Memory: 8 X 512MB 667MHz CL5 DDR2 FB-DIMM
Disk Subsystem: 1 X WD 2500 250GB SATA
Other Hardware: N/A

Software

Operating System: Windows XP Professional 32-bits w/ SP2
Compiler: Intel C++ Compiler 9.1 for 32-bit applications
Build 20060323Z Package ID: W_CC_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

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+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use
Base tuning for C programs: -fast +FDO shlw32M.lib
Base tuning for C++ programs: -fast -Qcxx_features +FDO shlw32M.lib
Portability flags:
176.gcc: -Dalloca=_alloca /F10000000
186.crafty: -DNT_i386
252.eon: -DHAS_ERRLIST
253.perlbmk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO
Peak tuning:
164.gzip: -fast -Qansi_alias -Oa +FDO
175.vpr: -fast -Qansi_alias +FDO
176.gcc: basepeak=yes
181.mcf: basepeak=yes
186.crafty: -fast -Qansi_alias -Oa +FDO
197.parser: -fast -Qansi_alias +FDO
252.eon: -fast +FDO
253.perlbmk: -fast -Qansi_alias +FDO shlw32M.lib
254.gap: basepeak=yes
255.vortex: basepeak=yes
```



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Notes/Tuning Information (Continued)

256.bzip2: -fast -Oa -Qunroll1 +FDO

300.twolf: -fast -O3 +FDO shlw32M.lib

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/Xeon1333/5000P/X7DB8.cfm>

The system bus runs at 1333 MHz