



# CINT2000 Result

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## Supermicro

Motherboard X7DA8 ( 3.00GHz, Intel Xeon 5160 processor)

SPECint2000 = 3016

SPECint\_base2000 = 3013

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	76.0	1842	75.9	1844	
175.vpr	1400	66.3	2110	64.9	2157	
176.gcc	1100	35.0	3143	35.0	3143	
181.mcf	1800	42.2	4263	42.2	4263	
186.crafty	1000	36.2	2762	36.3	2752	
197.parser	1800	78.7	2288	78.8	2283	
252.eon	1300	33.3	3902	33.3	3908	
253.perlbmk	1800	49.0	3670	49.2	3656	
254.gap	1100	36.9	2978	36.9	2978	
255.vortex	1900	38.3	4967	38.3	4967	
256.bzip2	1500	63.8	2351	63.9	2346	
300.twolf	3000	88.0	3410	88.0	3411	

### 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: No  
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 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

```
+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
Portability flags:
176.gcc: -Dalloca=_alloca /F10000000
186.crafy: -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/Xeon1333/5000X/X7DA8.cfm>  
The system bus runs at 1333 MHz