



# CINT2000 Result

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## Supermicro

Motherboard X7DBP-8( 2.33GHz, Intel Xeon 5140 processor)

SPECint\_rate2000 = 99.9

SPECint\_rate\_base2000 = 99.7

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	99.1	65.6	4	98.8	65.8
175.vpr	4	89.9	72.3	4	88.7	73.3
176.gcc	4	46.4	110	4	46.4	110
181.mcf	4	90.6	92.1	4	90.6	92.1
186.crafty	4	46.2	100	4	46.3	100
197.parser	4	108	77.4	4	108	77.5
252.eon	4	42.8	141	4	42.6	142
253.perlbnk	4	65.0	129	4	65.0	128
254.gap	4	52.1	97.9	4	52.1	97.9
255.vortex	4	53.3	166	4	53.3	166
256.bzip2	4	97.8	71.2	4	97.0	71.8
300.twolf	4	112	124	4	112	124

### Hardware

CPU: Intel Xeon 5140 processor ( 2.33 GHz,1333MHz bus)  
CPU MHz: 2330  
FPU: Integrated  
CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip  
CPU(s) orderable: 1, 2  
Parallel: N/A  
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 DDR2 ECC CL5 667MHz FBDIMM  
Disk Subsystem: 1 X Seagate Barracuda 120GB 7200 RPM  
Other Hardware: N/A

### Software

Operating System: Windows Server 2003 Enterprise Edition 32-bits w/ SP1  
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.crafty: -DNT_i386
252.eon: -DHAS_ERRLIST
253.perlbnk: -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.perlbnk: -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 -Qunroll11 +FDO  
300.twolf: -fast -O3 +FDO shlw32M.lib

Tested systems can be used with SC816S-R700 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 <http://www.supermicro.com/products/motherboard/Xeon1333/5000P/X7DBP-8.cfm>  
The system bus runs at 1333 MHz