



CINT2000 Result

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Supermicro

Motherboard X7DBP-8 (3.00GHz, Intel Xeon 5160 processor)

SPECint_rate2000 = 115

SPECint_rate_base2000 = 115

SPEC license #01176 | Tested by: Supermicro | Test date: Jun-2006 | Hardware Avail: Jun-2006 | Software Avail: May-2005

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	76.7	84.7	4	77.0	84.4
175.vpr	4	77.3	84.0	4	76.0	85.4
176.gcc	4	44.8	114	4	44.8	114
181.mcf	4	86.3	96.7	4	86.3	96.7
186.crafty	4	46.9	98.9	4	46.7	99.4
197.parser	4	84.2	99.2	4	84.7	98.6
252.eon	4	37.7	160	4	37.5	161
253.perlbnk	4	52.2	160	4	52.4	159
254.gap	4	48.1	106	4	48.1	106
255.vortex	4	45.0	196	4	45.0	196
256.bzip2	4	81.8	85.1	4	82.0	84.9
300.twolf	4	92.2	151	4	92.2	151

Hardware

CPU: Intel Xeon 5160 processor (3.00GHz, 4MB L2 shared, 1333 MHz bus)
CPU MHz: 3000
FPU: Integrated
CPU(s) enabled: 4 cores, 2 chips, 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: 8 x 512MB 667MHz CL5 DDR2 FB-DIMM
Disk Subsystem: 1 X WD 250GB 7200 SATA HDD
Other Hardware:

Software

Operating System: Microsoft Windows Server 2003 Enterprise Edition with SP1
Compiler: Intel C++ Compiler 9.0 for 32-bit applications Build 20050430Z (32-bit)
Microsoft Visual Studio .Net 2003(for libraries)
SmartHeap Library Version 7.4 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
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
256.bzip2: -fast -Oa -Qunroll1 +FDO
```



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Notes/Tuning Information (Continued)

300.twolf: -fast -O3 +FDO shlw32M.lib
Tested systems can be used with SC816-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 X7DBP:
<http://www.supermicro.com/products/motherboard/Xeon1333/5000P/X7DBP-8.cfm>
The system bus runs at 1333 MHz