



CINT2000 Result

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Supermicro

PDSGE/4 Motherboard(Intel Pentium Extreme Edition 3.2GHz)

SPECint_rate2000 = 33.0

SPECint_rate_base2000 = 32.9

SPEC license #01176 | Tested by: Supermicro | Test date: Jun-2005 | Hardware Avail: May-2005 | Software Avail: Aug-2004

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	193	33.6	4	194	33.5
175.vpr	4	325	20.0	4	319	20.3
176.gcc	4	139	36.8	4	139	36.8
181.mcf	4	394	21.2	4	394	21.2
186.crafty	4	159	29.1	4	159	29.1
197.parser	4	246	34.0	4	245	34.1
252.eon	4	141	42.9	4	139	43.4
253.perlbnk	4	219	38.2	4	219	38.1
254.gap	4	126	40.5	4	126	40.5
255.vortex	4	153	57.6	4	153	57.6
256.bzip2	4	245	28.4	4	245	28.4
300.twolf	4	486	28.6	4	484	28.8

Hardware

CPU: Intel Pentium Extreme Edition 3.2GHz
CPU MHz: 3200
FPU: Integrated
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip(Hyper-Threading Technology Enabled)
CPU(s) orderable: 1
Parallel: No
Primary Cache: 12k micro-ops I + 16KBD on chip
Secondary Cache: 1024KB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 4x512MB DDR2-667 ECC Unbuffered
Disk Subsystem: 1x400GB SATA
Other Hardware: N/A

Software

Operating System: Windows 2000 AS SP4
Compiler: Intel C++ Compiler 8.1 Build 20040802Z
Microsoft Visual Studio .Net 2002(for libraries)
SmartHeap Library Version 6.0 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
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 system was built with SC733T-645 chassis and

a 420W (minimum) ATX power supply [4-pin +12V AND (20 or 24-pin)] is required.

See: <http://www.supermicro.com/products/motherboard/DualCore/955/PDSGE.cfm>

The system bus runs at 800 MHz