CINT2000 Result

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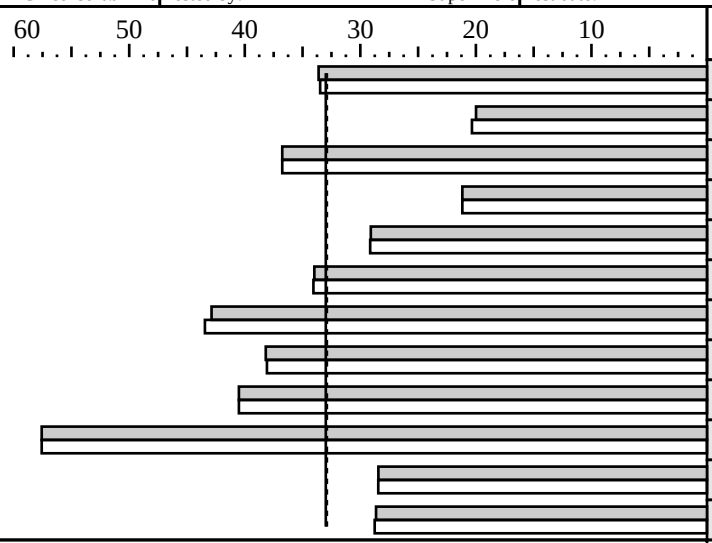
Supermicro

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.perlbmk	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.crafy: -DNT_i386
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
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
```