



CINT2000 Result

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Supermicro
PDSMi Motherboard

SPECint_rate2000 = 32.3
SPECint_rate_base2000 = 32.4

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	134	24.3	2	134	24.2
175.vpr	2	157	20.6	2	156	20.8
176.gcc	2	64.5	39.6	2	64.5	39.6
181.mcf	2	171	24.4	2	171	24.4
186.crafty	2	86.5	26.8	2	87.3	26.6
197.parser	2	147	28.4	2	147	28.4
252.eon	2	65.5	46.0	2	65.7	45.9
253.perlbnk	2	95.3	43.8	2	95.5	43.7
254.gap	2	65.8	38.8	2	65.8	38.8
255.vortex	2	79.7	55.3	2	79.7	55.3
256.bzip2	2	148	23.6	2	148	23.6
300.twolf	2	199	35.0	2	197	35.2

Hardware

CPU: Intel Pentium D 840 Processor (3.2GHz, 800 MHz bus)
CPU MHz: 3200
FPU: Integrated
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip
CPU(s) orderable: 1
Parallel: No
Primary Cache: 12k micro-ops I + 16KBD/core on chip
Secondary Cache: 1024KB/core on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 4 X 1024MB DDR2-667 ECC Unbuffered
Disk Subsystem: 1 X IDE Maxtor DiamondMax Plus 9 250GB
Other Hardware: N/A

Software

Operating System: Windows 2003 Enterprise Server
Compiler: Intel C++ Compiler 9.0 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
252.eon: Approved stdcpp src.alt used
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
New 32-bit Windows tools used, approved in May-2005
Tested system was built with Mini 1U SC512C-260 Chassis. Use only with Supermicro chassis recommended
Product description located as of:
<http://www.supermicro.com/products/motherboard/DualCore/E7230/PDSMi.cfm>
The system bus runs at 800MHz