CINT2000 Result

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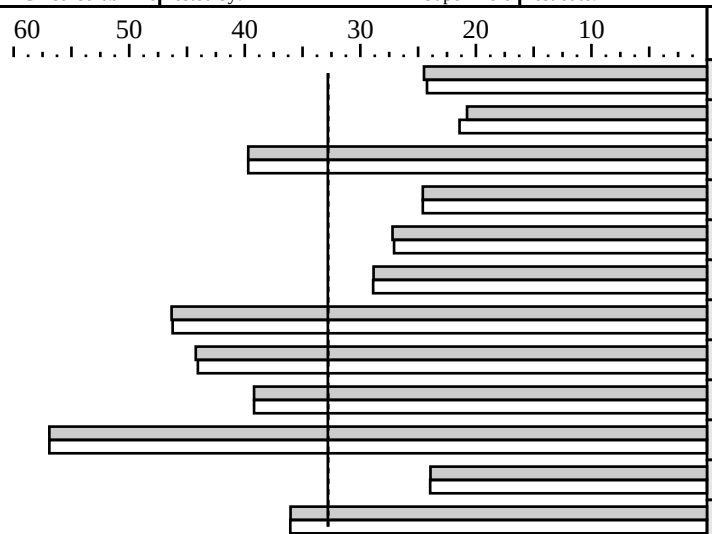
Supermicro
PDSM4/E Motherboard

SPECint_rate2000 = 32.8

SPECint_rate_base2000 = 32.8

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	133	24.5	2	134	24.2
175.vpr	2	156	20.8	2	152	21.4
176.gcc	2	64.3	39.7	2	64.3	39.7
181.mcf	2	170	24.6	2	170	24.6
186.crafty	2	85.3	27.2	2	85.7	27.1
197.parser	2	145	28.9	2	145	28.9
252.eon	2	65.1	46.3	2	65.2	46.2
253.perlbmk	2	94.4	44.2	2	94.8	44.1
254.gap	2	65.1	39.2	2	65.1	39.2
255.vortex	2	77.5	56.9	2	77.5	56.9
256.bzip2	2	145	23.9	2	145	24.0
300.twolf	2	193	36.0	2	193	36.1

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.crafy: -DNT_i386
252.eon:   Approved stdcpp src.alt used
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
```

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Notes/Tuning Information (Continued)

256.bzip2: -fast -Oa -Qunroll1 +FDO
300.twolf: -fast -O3 +FDO shlW32M.lib
New 32-bt Windows tools used, approved in May-2005
Tested system was built with 2U SC823S-R500LP Chassis. For a general system, a 420W (minimum) ATX12V power supply [4-pin +12V AND 24-pin is recommended to assure system stability].
Product description located as of:
http://www.supermicro.com/products/motherboard/DualCore/E7230/PDSM4.cfm
The system bus runs at 800MHz