CINT2000 Result

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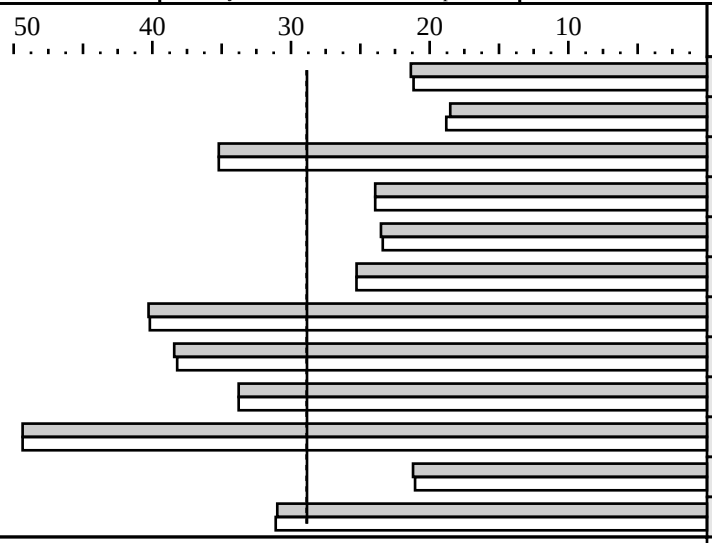
Supermicro
PDSMA Motherboard

SPECint_rate2000 = 28.8

SPECint_rate_base2000 = 28.9

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	152	21.4	2	153	21.2
175.vpr	2	175	18.5	2	173	18.8
176.gcc	2	72.5	35.2	2	72.5	35.2
181.mcf	2	175	23.9	2	175	23.9
186.crafty	2	98.7	23.5	2	99.2	23.4
197.parser	2	165	25.3	2	165	25.3
252.eon	2	74.9	40.3	2	75.1	40.2
253.perlbmk	2	109	38.4	2	109	38.2
254.gap	2	75.6	33.8	2	75.6	33.8
255.vortex	2	89.3	49.4	2	89.3	49.4
256.bzip2	2	164	21.2	2	165	21.1
300.twolf	2	225	31.0	2	224	31.1

Hardware

CPU:	Intel Pentium D 840 Processor (3.2 GHz, 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 (on chip) per core
Secondary Cache:	1024KB(on chip) per core
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4 x 1.0GB Hynix DDR2 667MHz
Disk Subsystem:	400GB Hitachi HDS724040KLSA80 SATA HDD
Other Hardware:	N/A

Software

Operating System:	Windows Server 2003 Enterprise Server w/SP1
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 shlW32M.lib
shlW32M.lib is the SmartHeap Library
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
```

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Notes/Tuning Information (Continued)

255.vortex basepeak=yes
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. To ensure system stability, a 350W (minimum) ATX power supply [8-pin +12V AND (20 or 24-pin)] is required
Product description located as of:
http://www.supermicro.com/products/motherboard/DualCore/E7230/PDSM4.cfm
The system bus runs at 800MHz