



CINT2000 Result

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Supermicro
PDSMA Motherboard

SPECint2000 = 1309
SPECint_base2000 = 1309

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	150	931	152	924	
175.vpr	1400	168	834	164	854	
176.gcc	1100	69.9	1574	69.9	1574	
181.mcf	1800	133	1357	133	1357	
186.crafty	1000	97.4	1027	97.9	1021	
197.parser	1800	162	1114	162	1114	
252.eon	1300	74.4	1747	74.4	1747	
253.perlbmk	1800	107	1684	107	1683	
254.gap	1100	70.8	1553	70.8	1553	
255.vortex	1900	85.3	2229	85.3	2229	
256.bzip2	1500	157	957	157	954	
300.twolf	3000	220	1362	220	1363	

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/core on chip
Secondary Cache: 1024KB/core on chip
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.crafty: -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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SPECint_base2000 =	1309

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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-bit 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/PDSMA.cfm>

The system bus runs at 800MHz