



# CINT2000 Result

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## Supermicro

### PDSL/A/E Motherboard(Intel Pentium D 3.2GHz)

SPECint2000 = 1421

SPECint\_base2000 = 1414

SPEC license #01176 Tested by: Supermicro Test date: May-2005 Hardware Avail: May-2005 Software Avail: Aug-2004

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	1000 2000 3000 4000			
164.gzip	1400	130	1074	131	1068	[Bar chart]			
175.vpr	1400	153	913	151	930	[Bar chart]			
176.gcc	1100	63.1	1743	63.1	1743	[Bar chart]			
181.mcf	1800	136	1328	136	1328	[Bar chart]			
186.crafty	1000	84.5	1184	84.9	1177	[Bar chart]			
197.parser	1800	147	1229	145	1238	[Bar chart]			
252.eon	1300	70.8	1836	68.5	1899	[Bar chart]			
253.perlbmk	1800	108	1671	107	1675	[Bar chart]			
254.gap	1100	64.7	1699	64.7	1699	[Bar chart]			
255.vortex	1900	77.7	2445	77.7	2445	[Bar chart]			
256.bzip2	1500	149	1004	148	1013	[Bar chart]			
300.twolf	3000	198	1515	198	1513	[Bar chart]			

#### Hardware

CPU: Intel Pentium D 3.2GHz  
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  
Secondary Cache: 1024KB(I+D) on chip  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 4 X 1GB PC2 5300, Unbuffered, Non-ECC  
Disk Subsystem: 1 X 120GB IDE  
Other Hardware: N/A

#### Software

Operating System: Windows XP Professional SP2  
Compiler: Intel C++ Compiler 8.1 Build 20040802Z  
Microsoft Visual Studio .Net 2003(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.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
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

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/945/PDSLA.cfm>

The system bus runs at 800 MHz