



CINT2000 Result

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Supermicro PDSMi Motherboard

SPECint2000 = 1476
SPECint_base2000 = 1478

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	1000 2000 3000 4000			
164.gzip	1400	131	1069	133	1056	[Bar chart showing ratio 1056]			
175.vpr	1400	148	945	147	952	[Bar chart showing ratio 952]			
176.gcc	1100	61.6	1785	61.6	1785	[Bar chart showing ratio 1785]			
181.mcf	1800	126	1431	126	1431	[Bar chart showing ratio 1431]			
186.crafty	1000	84.8	1180	85.5	1170	[Bar chart showing ratio 1170]			
197.parser	1800	142	1264	143	1263	[Bar chart showing ratio 1263]			
252.eon	1300	64.7	2009	64.8	2005	[Bar chart showing ratio 2005]			
253.perlbnk	1800	93.7	1921	93.7	1922	[Bar chart showing ratio 1922]			
254.gap	1100	62.5	1761	62.5	1761	[Bar chart showing ratio 1761]			
255.vortex	1900	75.8	2505	75.8	2505	[Bar chart showing ratio 2505]			
256.bzip2	1500	140	1072	140	1071	[Bar chart showing ratio 1071]			
300.twolf	3000	194	1549	194	1547	[Bar chart showing ratio 1547]			

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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Supermicro
PDSMi Motherboard

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SPECint_base2000 =	1478

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Notes/Tuning Information (Continued)

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 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