



CINT2000 Result

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Supermicro
PDSML-LN2 Rev. 1.01 Motherboard

SPECint2000 = 1687
SPECint_base2000 = 1692

SPEC license #01176 Tested by: Supermicro Test date: Mar-2006 Hardware Avail: Mar-2006 Software Avail: May-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	1000 2000 3000 4000			
164.gzip	1400	120	1171	121	1154	[Bar chart showing ratio 1154]			
175.vpr	1400	121	1155	121	1159	[Bar chart showing ratio 1159]			
176.gcc	1100	54.4	2022	54.4	2022	[Bar chart showing ratio 2022]			
181.mcf	1800	90.7	1985	90.7	1985	[Bar chart showing ratio 1985]			
186.crafty	1000	78.8	1269	79.3	1262	[Bar chart showing ratio 1262]			
197.parser	1800	124	1446	125	1445	[Bar chart showing ratio 1445]			
252.eon	1300	59.6	2183	60.0	2167	[Bar chart showing ratio 2167]			
253.perlbmk	1800	86.5	2081	86.9	2071	[Bar chart showing ratio 2071]			
254.gap	1100	59.3	1855	59.3	1855	[Bar chart showing ratio 1855]			
255.vortex	1900	65.4	2906	65.4	2906	[Bar chart showing ratio 2906]			
256.bzip2	1500	116	1288	117	1287	[Bar chart showing ratio 1287]			
300.twolf	3000	172	1746	172	1746	[Bar chart showing ratio 1746]			

Hardware

CPU: Intel Pentium Processor Extreme Edition 955 (3.46Ghz, 1066FSB)
CPU MHz: 3460
FPU: Integrated
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip (Hyper-Threading Technology Disabled)
CPU(s) orderable: 1
Parallel: No
Primary Cache: 12k micro-ops I + 16KBD on chip per core
Secondary Cache: 2MB(I+D) on chip per core
L3 Cache: N/A
Other Cache: N/A
Memory: 4 x 1024MB ATP DDR2-533 ECC
Disk Subsystem: 36GB Western Digital WD360 SATA HDD
Other Hardware: N/A

Software

Operating System: Windows Server 2003 Enterprise Edition SP1
Compiler: Intel C++ Compiler 9.0 for 32-bit applications 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
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
256.bzip2: -fast -Oa -Qunroll1 +FDO
```



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Notes/Tuning Information (Continued)

300.twolf: -fast -O3 +FDO shlw32M.lib
Tested system was built with SC811T-300, <http://www.supermicro.com/products/chassis/1U/811/SC811T-300.cfm>
Fixed 300W AC power supply module with PFC [24-pin, (4-pin=12V), 4-pin HDD]
Product description located as of:
<http://www.supermicro.com/products/motherboard/DualCore/E7230/PDSML-LN2.cfm>
Used On-board XGI XG20 graphics, 16MB DDR video memory
The system bus runs at 1066 MHz