



CINT2000 Result

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Supermicro
PDSML-LN2 Rev. 1.01 Motherboard

SPECint_rate2000 = 40.4
SPECint_rate_base2000 = 40.5

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	183	35.5	4	185	35.0
175.vpr	4	244	26.6	4	240	27.1
176.gcc	4	93.8	54.4	4	93.8	54.4
181.mcf	4	299	27.9	4	299	27.9
186.crafty	4	153	30.4	4	153	30.4
197.parser	4	208	40.1	4	208	40.1
252.eon	4	122	49.5	4	122	49.3
253.perlbnk	4	187	44.6	4	189	44.2
254.gap	4	116	44.1	4	116	44.1
255.vortex	4	134	66.0	4	134	66.0
256.bzip2	4	191	36.5	4	195	35.7
300.twolf	4	291	47.9	4	291	47.9

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 Enabled)
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.crafty: -DNT_i386
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
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