



# CINT2000 Result

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## Supermicro

X6DLP-4G2 Motherboard (Dual-Core Intel Xeon processor LV 2.00GHz)

SPECint2000 = 1597

SPECint\_base2000 = 1591

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

| Benchmark   | Reference Time | Base Runtime | Base Ratio | Runtime | Ratio |
|-------------|----------------|--------------|------------|---------|-------|
| 164.gzip    | 1400           | 124          | 1129       | 124     | 1131  |
| 175.vpr     | 1400           | 112          | 1255       | 109     | 1289  |
| 176.gcc     | 1100           | 59.9         | 1838       | 59.9    | 1838  |
| 181.mcf     | 1800           | 103          | 1745       | 103     | 1745  |
| 186.crafty  | 1000           | 74.2         | 1349       | 73.3    | 1363  |
| 197.parser  | 1800           | 133          | 1351       | 133     | 1351  |
| 252.eon     | 1300           | 65.5         | 1983       | 65.1    | 1997  |
| 253.perlbmk | 1800           | 98.5         | 1828       | 98.7    | 1824  |
| 254.gap     | 1100           | 76.7         | 1435       | 76.7    | 1435  |
| 255.vortex  | 1900           | 75.8         | 2506       | 75.8    | 2506  |
| 256.bzip2   | 1500           | 126          | 1193       | 126     | 1193  |
| 300.twolf   | 3000           | 147          | 2044       | 147     | 2044  |

### Hardware

CPU: Dual-Core Intel Xeon processor LV (2.00GHz, 667MHz)  
CPU MHz: 2000  
FPU: Integrated  
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip  
CPU(s) orderable: 1, 2  
Parallel: No  
Primary Cache: 32KBI + 32KBD on chip per core  
Secondary Cache: 2MB(I+D) on chip per core  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 8 X 2048MB DDR2-400 Register ECC, CL3  
Disk Subsystem: 1 X IDE Seagate Barracuda 7200.9 120GB ATA100 7200RPM  
Other Hardware: N/A

### Software

Operating System: Windows 2003 Enterprise Edition w/ 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 shlw32M.lib
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 shlw32M.lib
253.perlbmk: -fast -Qansi_alias +FDO shlw32M.lib
254.gap: basepeak=yes
255.vortex: basepeak=yes
256.bzip2: -fast -Oa -Qunroll11 +FDO
```



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## Notes/Tuning Information (Continued)

300.twolf: -fast -O3 +FDO shlw32M.lib

Tested system was built with 1U SC811LF-260 Chassis. For a general system, a 260W (minimum) ATX12V power supply [4-pin +12V AND 24-pin is recommended to assure system stability].

On board ATI Rage XL graphic used when test run.

The system bus runs at 667 MHz