



# CINT2000 Result

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## IBM Corporation

IBM System X 3500 (2.0 GHz Xeon 5130, 4MB L2 Cache)

SPECint2000 = --

SPECint\_base2000 = 2105

SPEC license #: 11 | Tested by: IBM Corporation | Test date: Jul-2006 | Hardware Avail: Jul-2006 | Software Avail: Mar-2006

| Benchmark   | Reference Time | Base Runtime | Base Ratio | Runtime | Ratio | 1000 2000 3000 4000       |  |  |  |
|-------------|----------------|--------------|------------|---------|-------|---------------------------|--|--|--|
| 164.gzip    | 1400           | 113          | 1237       |         |       | [Bar chart showing ratio] |  |  |  |
| 175.vpr     | 1400           | 90.7         | 1544       |         |       | [Bar chart showing ratio] |  |  |  |
| 176.gcc     | 1100           | 48.1         | 2286       |         |       | [Bar chart showing ratio] |  |  |  |
| 181.mcf     | 1800           | 51.5         | 3495       |         |       | [Bar chart showing ratio] |  |  |  |
| 186.crafty  | 1000           | 54.0         | 1853       |         |       | [Bar chart showing ratio] |  |  |  |
| 197.parser  | 1800           | 115          | 1562       |         |       | [Bar chart showing ratio] |  |  |  |
| 252.eon     | 1300           | 50.0         | 2601       |         |       | [Bar chart showing ratio] |  |  |  |
| 253.perlbmk | 1800           | 72.8         | 2474       |         |       | [Bar chart showing ratio] |  |  |  |
| 254.gap     | 1100           | 53.7         | 2049       |         |       | [Bar chart showing ratio] |  |  |  |
| 255.vortex  | 1900           | 52.7         | 3603       |         |       | [Bar chart showing ratio] |  |  |  |
| 256.bzip2   | 1500           | 95.6         | 1569       |         |       | [Bar chart showing ratio] |  |  |  |
| 300.twolf   | 3000           | 130          | 2299       |         |       | [Bar chart showing ratio] |  |  |  |

### Hardware

CPU: Intel Xeon processor 5130 ( 2.0 GHz, 1333 MHz bus)  
CPU MHz: 2000  
FPU: Integrated  
CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip  
CPU(s) orderable: 1, 2  
Parallel: No  
Primary Cache: 32KB(I) + 32KB(D) on chip (per core)  
Secondary Cache: 4096KB(I+D) on chip (per chip)  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 8 x 1024 MB ECC PC2-5300F  
Disk Subsystem: 80GB SATA 10K RPM  
Other Hardware:

### Software

Operating System: Windows Server 2003 Enterprise Edition (32-bit)  
Compiler: Intel C++ Compiler 9.1 for 32-bit applications  
Build 20060323Z  
Microsoft Visual Studio 2005(for libraries)  
SmartHeap Library Version 8.0 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 shlW32M.lib
Portability flags:
176.gcc: -Dalloca=_alloca /F10000000
186.crafty: -DNT_i386
252.eon: -DHAS_ERRLIST
253.perlbmk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO
```

This result was measured on an IBM System X 3400. IBM System X 3500 and IBM System X 3400 are electronically equivalent.