# CINT2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

## IBM Corporation

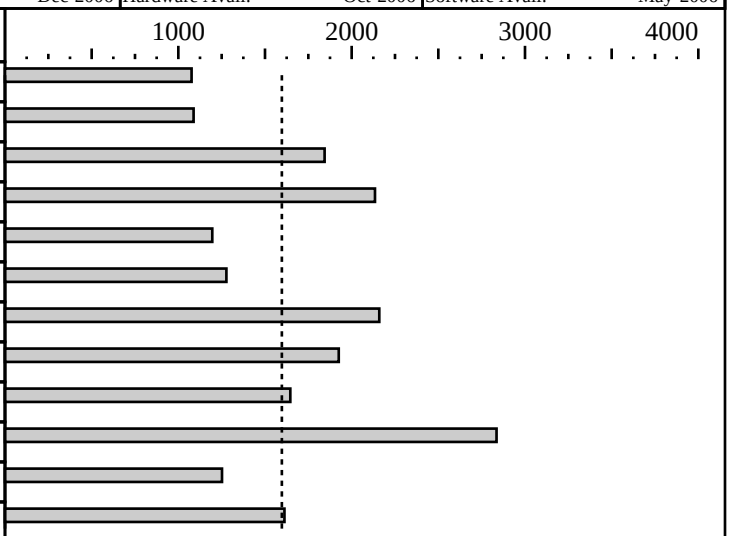
IBM System X 3800 (3.13 GHz Xeon 7130N)

SPECint2000 = --

SPECint_base2000 = 1597

SPEC license #: 11 | Tested by: IBM Corporation | Test date: Dec-2006 | Hardware Avail: Oct-2006 | Software Avail: May-2006

| Benchmark | Reference Time | Base Runtime | Base Ratio | Runtime | Ratio |
|---|---|---|---|---|---|
| 164.gzip | 1400 | 130 | 1076 | | |
| 175.vpr | 1400 | 129 | 1088 | | |
| 176.gcc | 1100 | 59.7 | 1844 | | |
| 181.mcf | 1800 | 84.3 | 2135 | | |
| 186.crafty | 1000 | 83.6 | 1196 | | |
| 197.parser | 1800 | 141 | 1277 | | |
| 252.eon | 1300 | 60.2 | 2159 | | |
| 253.perlbmk | 1800 | 93.5 | 1925 | | |
| 254.gap | 1100 | 66.8 | 1646 | | |
| 255.vortex | 1900 | 67.0 | 2836 | | |
| 256.bzip2 | 1500 | 120 | 1252 | | |
| 300.twolf | 3000 | 186 | 1612 | | |




### Hardware

| | |
|---|---|
| CPU: | Intel Xeon processor 7130N ( 3.13 GHz, 667 MHz bus) |
| CPU MHz: | 3133 |
| FPU: | Integrated |
| CPU(s) enabled: | 8 cores, 4 chips, 2 cores/chip (Hyper-Threading Technology enabled) |
| CPU(s) orderable: | 1, 2, 4 chips |
| Parallel: | No |
| Primary Cache: | 12 K I micro-ops + 16 KB D on chip per core |
| Secondary Cache: | 1 MB I+D on chip per core |
| L3 Cache: | 16 MB on chip per chip |
| Other Cache: | N/A |
| Memory: | 16 x 2048 MB ECC PC2-3200 |
| Disk Subsystem: | 73GB SAS 15K RPM |
| Other Hardware: | |

### Software

| | |
|---|---|
| Operating System: | Microsoft Windows Server 2003 Enterprise x64 Edition + SP1 (64-bit) |
| Compiler: | Intel C++ Compiler 9.1 for 32-bit applications<br>Build 20060323Z Package ID: W_CC_P_9.1.020<br>Microsoft Visual Studio 2005(for libraries)<br>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-80.lib
Base tuning for C++ programs: -fast -Qcxx_features +FDO shlW32M-80.lib
Portability flags:
176.gcc: -Dalloca=_alloca /F10000000
186.crafy: -DNT_i386
252.eon:     -DHAS_ERRLIST
253.perlbmk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO

Bios Settings
   Hardware Prefetch enabled
   Memory Array set to High-Performance Memory Array
```