



CINT2000 Result

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IBM Corporation
IBM System X 3950 (3.16 GHz Xeon 7130N)

SPECint2000 = --
SPECint_base2000 = 1598

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	1089			
176.gcc	1100	59.7	1844			
181.mcf	1800	83.9	2146			
186.crafty	1000	83.6	1196			
197.parser	1800	141	1278			
252.eon	1300	60.2	2158			
253.perlbmk	1800	93.9	1917			
254.gap	1100	66.8	1647			
255.vortex	1900	66.9	2838			
256.bzip2	1500	120	1252			
300.twolf	3000	186	1611			

Hardware

CPU: Intel Xeon processor 7130N (3.16 GHz, 667 MHz bus)
CPU MHz: 3166
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 10K 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
Build 20060323Z Package ID: W_CC_P_9.1.020
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-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