



# CINT2000 Result

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## IBM Corporation

IBM eServer xSeries 260 (3.16 GHz Xeon MP, 1MB L2 Cache)

SPECint2000 = 1393

SPECint\_base2000 = 1387

SPEC license #: 11 | Tested by: IBM Corporation | Test date: Aug-2005 | Hardware Avail: Aug-2005 | Software Avail: Jun-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	1000 2000 3000 4000			
164.gzip	1400	133	1050	133	1056	[Bar chart showing ratio 1056]			
175.vpr	1400	165	848	160	875	[Bar chart showing ratio 875]			
176.gcc	1100	65.0	1692	65.0	1692	[Bar chart showing ratio 1692]			
181.mcf	1800	152	1186	153	1175	[Bar chart showing ratio 1175]			
186.crafty	1000	85.3	1173	85.7	1167	[Bar chart showing ratio 1167]			
197.parser	1800	150	1198	150	1202	[Bar chart showing ratio 1202]			
252.eon	1300	65.0	1999	65.3	1992	[Bar chart showing ratio 1992]			
253.perlbmk	1800	98.9	1820	98.3	1830	[Bar chart showing ratio 1830]			
254.gap	1100	67.7	1624	66.3	1660	[Bar chart showing ratio 1660]			
255.vortex	1900	83.7	2271	83.9	2266	[Bar chart showing ratio 2266]			
256.bzip2	1500	155	969	154	972	[Bar chart showing ratio 972]			
300.twolf	3000	193	1553	193	1558	[Bar chart showing ratio 1558]			

### Hardware

CPU: Intel Xeon MP 3.16 GHz (667 MHz system bus)  
CPU MHz: 3166  
FPU: Integrated  
CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)  
CPU(s) orderable: 1,2,3,4  
Parallel: No  
Primary Cache: 12K(I) micro-ops + 16KB(D) on chip  
Secondary Cache: 1024KB(I+D) on chip  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 16 x 2048 MB ECC PC2-3200 Dual Rank  
Disk Subsystem: 73GB SAS 15K RPM  
Other Hardware:

### Software

Operating System: Windows Server 2003 Standard Edition  
Compiler: Intel C/C++ Compiler 9.0 (20050624Z) for 32-bit applications  
Intel Fortran Compiler 9.0 (20050624Z) for 32-bit applications  
Microsoft Visual Studio .NET 13.0.9466 (for libraries)  
MicroQuill Smartheap Library 7.30  
File System: NTFS  
System State: Default

## Notes/Tuning Information

### GENERAL

ONESTEP=yes  
+FDO: PASS1=-Qprof\_gen PASS2=-Qprof\_use

### PORTABILITY FLAGS

176.gcc: -Dalloca=\_alloca /F10000000  
186.crafty: -DNT\_i386  
252.eon: srcalt=stdcpp  
253.perlbmk: -DSPEC\_CPU2000\_NTOS -DPERLDLL /MT  
254.gap: -DSYS\_HAS\_CALLOC\_PROTO -DSYS\_HAS\_MALLOC\_PROTO

### BASE TUNING

C: -fast -Qansi\_alias +FDO shlw32M.lib  
C++: -fast -Qcxx\_features +FDO

### PEAK TUNING

164.gzip: -fast +FDO  
175.vpr: -fast +FDO  
176.gcc: basepeak=yes  
181.mcf: -fast +FDO shlw32M.lib  
186.crafty: -fast -Oa +FDO shlw32M.lib  
197.parser: -fast +FDO  
252.eon: -fast +FDO



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## Notes/Tuning Information (Continued)

```
253.perlbnk: -fast -Oa +FDO shlw32M.lib
254.gap:      -fast +FDO
255.vortex   -fast +FDO shlw32M.lib
256.bzip2:   -fast -Qunroll1 -Oa +FDO shlw32M.lib
300.twolf:   -fast +FDO shlw32M.lib
EXTRA LIBRARIES
shlw32M.lib: MicroQuill SmartHeap Library 7.1
              www.microquill.com
```