



CINT2000 Result

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IBM Corporation

IBM eServer xSeries 236 (3.8 GHz Xeon, 2MB L2 Cache)

SPECint2000 = 1821

SPECint_base2000 = 1810

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	1000 2000 3000 4000			
164.gzip	1400	113	1241	112	1253	[Bar chart showing ratio bars for 164.gzip]			
175.vpr	1400	115	1223	111	1258	[Bar chart showing ratio bars for 175.vpr]			
176.gcc	1100	51.0	2155	51.0	2155	[Bar chart showing ratio bars for 176.gcc]			
181.mcf	1800	91.0	1977	91.0	1978	[Bar chart showing ratio bars for 181.mcf]			
186.crafty	1000	70.9	1410	71.2	1405	[Bar chart showing ratio bars for 186.crafty]			
197.parser	1800	116	1547	116	1552	[Bar chart showing ratio bars for 197.parser]			
252.eon	1300	54.4	2388	54.6	2381	[Bar chart showing ratio bars for 252.eon]			
253.perlbnk	1800	81.0	2223	80.4	2240	[Bar chart showing ratio bars for 253.perlbnk]			
254.gap	1100	55.7	1975	54.3	2028	[Bar chart showing ratio bars for 254.gap]			
255.vortex	1900	60.4	3144	60.4	3146	[Bar chart showing ratio bars for 255.vortex]			
256.bzip2	1500	110	1367	110	1369	[Bar chart showing ratio bars for 256.bzip2]			
300.twolf	3000	154	1951	154	1950	[Bar chart showing ratio bars for 300.twolf]			

Hardware

CPU: Intel Xeon 3.8 (800 MHz system bus)
CPU MHz: 3800
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)
CPU(s) orderable: 1
Parallel: No
Primary Cache: 12K(I) micro-ops + 16KB(D) on chip
Secondary Cache: 2048KB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 8 x 512MB ECC PC2-3200 Single Rank
Disk Subsystem: 73GB SCSI 10K 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.perlbnk: -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 -Qunroll11 -Oa +FDO shlw32M.lib
300.twolf:   -fast +FDO shlw32M.lib
EXTRA LIBRARIES
shlw32M.lib: MicroQuill SmartHeap Library 7.1
              www.microquill.com
```