



CINT2000 Result

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Itautec
Servidor Itautec BX200 (3.6 GHz Intel Xeon)

SPECint_rate2000 = **40.3**
SPECint_rate_base2000 = **39.5**

SPEC license #: 2784 | Tested by: Itautec | Test date: Nov-2005 | Hardware Avail: May-2005 | Software Avail: May-2005

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	175	37.2	4	175	37.1
175.vpr	4	242	26.8	4	242	26.8
176.gcc	4	94.9	53.8	4	94.9	53.8
181.mcf	4	340	24.5	4	340	24.5
186.crafty	4	145	32.0	4	147	31.6
197.parser	4	209	40.0	4	209	40.0
252.eon	4	115	52.5	4	115	52.3
253.perlbnk	4	199	42.0	4	192	43.5
254.gap	4	115	44.3	4	115	44.3
255.vortex	4	139	63.5	4	139	63.2
256.bzip2	4	203	34.4	4	202	34.4
300.twolf	4	346	40.2	4	277	50.2

Hardware

CPU: Intel Xeon (3.6 GHz Xeon, 2MB L2 Cache, 800 MHz system bus)
CPU MHz: 3600
FPU: Integrated
CPU(s) enabled: 2 cores, 2 chips, 1 core/chip (Hyper-Threading Technology disabled)
CPU(s) orderable: 1,2
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: 4 x 2048 MB ECC DDR2-400 Single Rank
Disk Subsystem: 73GB SCSI 10K RPM U320
Other Hardware:

Software

Operating System: Windows Server 2003 Enterprise Edition
Compiler: Intel C/C++ Compiler 8.1 for 32-bit applications Build 20050201Z
Intel Fortran Compiler 8.1 for 32-bit applications Build 20050201Z
Microsoft Visual Studio .NET 7.0.9466 (for libraries)
Microquill SmartHeap Library v.7.0
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 -QxP -Qansi_alias +FDO
C++: -QxP -Qipo -Qcxx_features +FDO*

PEAK TUNING

164.gzip: -fast -QxP -Qansi_alias -Oa +FDO
175.vpr: basepeak=yes
176.gcc: basepeak=yes
181.mcf: basepeak=yes
186.crafty: -fast -QxP -Oa +FDO shlw32m2.lib
197.parser: basepeak=yes
252.eon: -fast -QxP +FDO



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Notes/Tuning Information (Continued)

```
253.perlbnk: -fast -QxP -Qansi_alias +FDO shlw32M2.lib
254.gap:      basepeak=yes
255.vortex   -fast -QxP +FDO
256.bzip2:   -fast -QxP -Qunroll11 -Oa +FDO
300.twolf:   -fast -QxP +FDO shlw32M2.lib
```

EXTRA LIBRARIES

```
shlw32M2.lib: MicroQuill SmartHeap Library v.7.0
              www.microquill.com
```

NOTES

*+FDO does not include -QxP for PASS1 to enable cross-compilation.