



CINT2000 Result

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Itautec

Servidor Itautec MX201 (Intel Xeon 5060 processor, 3.20GHz)

SPECint_rate2000 = 73.2

SPECint_rate_base2000 = 70.4

SPEC license #: 9001 | Tested by: Itautec | Test date: Oct-2006 | Hardware Avail: Jul-2006 | Software Avail: May-2006

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.zip	8	199	65.3	8	199	65.3
175.vpr	8	279	46.5	8	279	46.5
176.gcc	8	103	99.3	8	103	99.3
181.mcf	8	421	39.6	8	421	39.6
186.crafty	8	169	54.8	8	168	55.2
197.parser	8	229	73.0	8	227	73.5
252.eon	8	172	70.1	8	111	108
253.perlbnk	8	209	80.1	8	209	80.1
254.gap	8	123	82.9	8	123	83.2
255.vortex	8	145	121	8	145	121
256.bzip2	8	231	60.2	8	230	60.4
300.twolf	8	303	91.7	8	303	91.7

Hardware

CPU: Intel Xeon 5060 processor (3.20 GHz, 2x2MB L2, 1066 MHz system bus)
CPU MHz: 3200
FPU: Integrated
CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip (Hyper-Threading Technology enabled)
CPU(s) orderable: 1,2
Parallel: No
Primary Cache: 12k micro-ops I + 16KBD on chip, per core
Secondary Cache: 2048KB(I+D) on chip, per core
L3 Cache: N/A
Other Cache: N/A
Memory: 8x1GB DDRII-RAM PC2-5300F (CAS 5-5-5)ECC
Disk Subsystem: 1 x 120GB Serial ATA 7200 RPM
Other Hardware: None

Software

Operating System: Windows Server 2003 Enterprise Edition + SP1 (32-bit)
Compiler: Intel C++ Compiler 9.1 Build 20060519Z for IA32 app, Intel Fortran Compiler 9.1 Build 20060519Z for IA32 app, 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= -prof_gen PASS2= -prof_use

PORTABILITY FLAGS

176.gcc: -Dalloca=_alloca /F10000000
186.crafty: -DNT_i386
253.perlbnk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO

BASE TUNING

C: -fast -QxP +FDO shlw32m2.lib
C++: -Qipo -Qcxx_features +FDO shlw32m2.lib

PEAK TUNING

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



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Notes/Tuning Information (Continued)

```
254.gap:      -fast +FDO
255.vortex    basepeak=yes
256.bzip2:    -fast -Qunroll11 -Oa +FDO
300.twolf:    basepeak=yes
```

EXTRA LIBRARIES

MicroQuill SmartHeap Library 7.0 available from
<http://www.microquill.com/>

BIOS settings default.

The system bus runs at 1066 MHz

This result was measured with 32-bit binaries using the 32-bit version of the operating system.