



CINT2000 Result

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Itautec

Servidor Itautec MX201 (Intel Xeon 5140 processor, 2.33GHz)

SPECint_rate2000 = 96.5

SPECint_rate_base2000 = 96.5

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.zip	4	99.5	65.3	4	99.5	65.3
175.vpr	4	94.0	69.1	4	94.0	69.1
176.gcc	4	46.6	110	4	46.6	110
181.mcf	4	104	80.0	4	104	80.0
186.crafty	4	46.3	100	4	46.3	100
197.parser	4	108	77.5	4	108	77.5
252.eon	4	43.2	140	4	43.2	140
253.perlbnk	4	69.6	120	4	69.6	120
254.gap	4	58.5	87.3	4	58.5	87.3
255.vortex	4	53.8	164	4	53.8	164
256.bzip2	4	97.4	71.5	4	97.4	71.5
300.twolf	4	112	124	4	112	124

Hardware

CPU: Intel Xeon 5140 processor (2.33 GHz, 4MB L2 shared, 1333 MHz system bus)
 CPU MHz: 2330
 FPU: Integrated
 CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip
 CPU(s) orderable: 1,2
 Parallel: No
 Primary Cache: 32 KB I + 32 KB D on chip per core
 Secondary Cache: 4MB (I+D) on chip, per chip, shared
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 14GB (7x2GB DDR2-RAM PC2-5300 FB-DIMM CL5 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 20060323Z (for 32-bit applications),
 Microsoft Visual Studio 2005 (for libraries),
 MicroQuill SmartHeap for SMP Library v.8.0
 File System: NTFS
 System State: Default

Notes/Tuning Information

PORTABILITY FLAGS

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

GENERAL

+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use

Base tuning flags

```
for C programs: -fast +FDO shlsmpmt.lib
for C++ programs: -fast -Qcxx_features +FDO
```

BIOS settings default.

EXTRA LIBRARIES

MicroQuill SmartHeap for SMP Library v.8.0
<http://www.microquill.com/>