



CINT2000 Result

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Itautec-Philco
Servidor Itautec MX220R (3.0 GHz Intel Xeon)

SPECint_rate2000 = 32.4
SPECint_rate_base2000 = 32.1

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.zip	2	141	23.1	2	143	22.8
175.vpr	2	141	23.0	2	141	23.0
176.gcc	2	66.1	38.6	2	66.1	38.6
181.mcf	2	123	34.1	2	123	34.1
186.crafty	2	90.1	25.7	2	89.8	25.8
197.parser	2	147	28.4	2	147	28.4
252.eon	2	69.8	43.2	2	68.8	43.8
253.perlbnk	2	115	36.3	2	107	39.0
254.gap	2	74.7	34.2	2	74.7	34.2
255.vortex	2	83.3	52.9	2	83.7	52.7
256.bzip2	2	141	24.6	2	141	24.8
300.twolf	2	203	34.3	2	202	34.5

Hardware

CPU: Intel Xeon (3.0 GHz Xeon, 2MB L2 Cache, 800 MHz system bus)
CPU MHz: 3000
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 1024 MB ECC DDR2 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 Build 20050201Z
Intel Fortran Compiler 8.1 for 32-bit Build 20050201Z
Microsoft Visual Studio .NET 7.0.9466 (for libraries)
Microquill SmartHeap Library 7
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
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 srcalt stdcpp
253.perlbnk: -fast -QxP -Qansi_alias +FDO shlw32M2.lib



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Notes/Tuning Information (Continued)

```
254.gap:      basepeak=yes
255.vortex    -fast -QxP +FDO
256.bzip2:    -fast -QxP -Qunroll1 -Oa +FDO
300.twolf:    -fast -QxP +FDO shlw32M2.lib
EXTRA LIBRARIES
shlw32M2.lib: MicroQuill SmartHeap Library 7
               www.microquill.com
```