



CINT2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

Itautec-Philco
Servidor Itautec ZX440 (3.0 GHz Intel Xeon)

SPECint_rate2000 = **65.9**
SPECint_rate_base2000 = **65.2**

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.zip	8	216	60.3	8	217	59.9
175.vpr	8	297	43.7	8	297	43.7
176.gcc	8	138	74.1	8	138	74.1
181.mcf	8	284	58.7	8	284	58.7
186.crafty	8	169	54.8	8	172	54.1
197.parser	8	252	66.3	8	252	66.3
252.eon	8	137	88.2	8	137	87.8
253.perlbnk	8	243	68.8	8	233	71.8
254.gap	8	156	65.3	8	156	65.3
255.vortex	8	181	97.6	8	181	97.2
256.bzip2	8	233	59.7	8	233	59.7
300.twolf	8	456	61.0	8	409	68.1

Hardware

CPU: Intel Xeon (3.0 GHz, 1MB L2, 8MB L3, 667 MHz system bus)
 CPU MHz: 3000
 FPU: Integrated
 CPU(s) enabled: 4 cores, 4 chips, 1 core/chip (Hyper-Threading Technology enabled)
 CPU(s) orderable: 1,2,3,4
 Parallel: No
 Primary Cache: 12K(I) micro-ops + 16KB(D) on chip
 Secondary Cache: 1024KB(I+D) on chip
 L3 Cache: 8096KB(I+D) on chip
 Other Cache: N/A
 Memory: 16 x 2048 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 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.zip: -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



CINT2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

Itautec-Philco
Servidor Itautec ZX440 (3.0 GHz Intel Xeon)

SPECint_rate2000 = 65.9
SPECint_rate_base2000 = 65.2

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

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.