



CINT2000 Result

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Itautec

Servidor Itautec ZX440 (Intel Xeon 7140M processor, 3.40 GHz)

SPECint_rate2000 = 83.2

SPECint_rate_base2000 = 83.2

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	8	194	67.1	8	194	67.1
175.vpr	8	237	54.9	8	237	54.9
176.gcc	8	95.7	107	8	95.7	107
181.mcf	8	179	93.4	8	179	93.4
186.crafty	8	159	58.4	8	159	58.4
197.parser	8	206	81.3	8	206	81.3
252.eon	8	106	114	8	106	114
253.perlbnk	8	197	84.7	8	197	84.7
254.gap	8	141	72.6	8	141	72.6
255.vortex	8	132	133	8	132	133
256.bzip2	8	176	79.2	8	176	79.2
300.twolf	8	325	85.5	8	325	85.5

Hardware

CPU: Intel Xeon 7140M processor (3.40 GHz, 2x1MB L2, 16MB L3, 800 MHz system bus)
 CPU MHz: 3400
 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: 1024KB(I+D) on chip, per core
 L3 Cache: 16MB on chip, per chip
 Other Cache: N/A
 Memory: 16x1GB DDR2-RAM PC2-3200R (CAS 3-3-3)
 Disk Subsystem: 1 x 36GB SCSI 10000 RPM
 Other Hardware: None

Software

Operating System: Windows Server 2003 Enterprise Edition + SP1 (32-bit)
 Compiler: Intel C++ Compiler 9.1
 Build 20060519Z (for 32-bit applications),
 Microsoft Visual Studio .NET 7.0.9466 (for libraries),
 MicroQuill SmartHeap for SMP Library 8.0
 File System: NTFS
 System State: Default

Notes/Tuning Information

PORTABILITY FLAGS

176.gcc: -Dalloca=_alloca /F10000000
 186.crafy: -DNT_i386
 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 sh1SMPMt.lib
 for C++ programs: -fast -Qcxx_features +FDO

EXTRA LIBRARIES

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