



CINT2000 Result

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Itaotec

Servidor Itaotec ZX400 (Intel Xeon 7140M processor)

SPECint_rate2000 = 162

SPECint_rate_base2000 = 162

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.zip	16	198	131	16	198	131
175.vpr	16	239	109	16	239	109
176.gcc	16	97.3	210	16	97.3	210
181.mcf	16	199	167	16	199	167
186.crafty	16	161	115	16	161	115
197.parser	16	206	162	16	206	162
252.eon	16	106	227	16	106	227
253.perlbnk	16	198	169	16	198	169
254.gap	16	159	129	16	159	129
255.vortex	16	134	264	16	134	264
256.bzip2	16	179	156	16	179	156
300.twolf	16	326	171	16	326	171

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: 8 cores, 4 chips, 2 cores/chip (Hyper-Threading Technology enabled)
 CPU(s) orderable: 1,2,3,4
 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/>