



CINT2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

ION
A20 (Intel Xeon processor 5110, 1.6GHz)

SPECint_rate2000 = 67.3

SPECint_rate_base2000 = 67.3

SPEC license #: 2697 | Tested by: ION | Test date: Aug-2006 | Hardware Avail: Jul-2006 | Software Avail: Jul-2006

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	149	43.5	4	149	43.5
175.vpr	4	126	51.4	4	126	51.4
176.gcc	4	73.6	69.4	4	73.6	69.4
181.mcf	4	140	59.7	4	140	59.7
186.crafty	4	54.5	85.1	4	54.5	85.1
197.parser	4	170	49.1	4	170	49.1
252.eon	4	60.7	99.3	4	60.7	99.3
253.perlbnk	4	100	83.2	4	100	83.2
254.gap	4	83.6	61.0	4	83.6	61.0
255.vortex	4	81.2	109	4	81.2	109
256.bzip2	4	133	52.5	4	133	52.5
300.twolf	4	178	78.1	4	178	78.1

Hardware

CPU: Intel Xeon Processor 5110 (1066Mhz System Bus)
 CPU MHz: 1600
 FPU: Integrated
 CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip
 CPU(s) orderable: 1,2 chips
 Parallel: No
 Primary Cache: 32KB(I) + 32KB(D) on chip, per core
 Secondary Cache: 4MB (I+D) on chip, per chip
 L3 Cache: None
 Other Cache: None
 Memory: 8 GB (8*1GB PC2-5300 FB-DIMMs)
 Disk Subsystem: 1 x 400GB SATA, 7200rpm
 Other Hardware: None

Software

Operating System: Red Hat Enterprise Linux ES 4 Update 3 for AMD64/Intel EM64T
 Compiler: Intel(R) C++ Compiler for EM64T, V9.1 (Build 20060707)
 File System: ext3
 System State: Multi-user

Notes/Tuning Information

Tested by ION Computer Systems

BIOS 2.00 Build 54

Enhanced SpeedStep Disabled in BIOS

kernel 2.6.9-34.0.1.ELsmp

+FDO: PASS1=-prof_gen PASS2=-prof_use

SPEC CINT2000 Baseline optimization flags:

C programs: -fast -auto_ilp32 +FDO

C++ programs: -fast -ansi_alias +FDO

+FDO: PASS1=-prof_gen PASS2=-prof_use

SPEC CINT2000 Peak optimization flags

basepeak=yes set globally

Portability Flags:

186.crafty: -DLINUX_i386

252.eon: -DHAS_ERRLIST

253.perlbnk: -DSPEC_CPU2000_NEED_BOOL -DSPEC_CPU2000_LINUX_I386

-DSPEC_CPU2000_LP64

254.gap: -DSPEC_CPU2000_LP64 -DSYS_IS_USG

Standard Performance Evaluation Corporation

info@spec.org

http://www.spec.org



CINT2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

ION

A20 (Intel Xeon processor 5110, 1.6GHz)

SPECint_rate2000 = 67.3

SPECint_rate_base2000 = 67.3

SPEC license #: 2697 | Tested by: ION | Test date: Aug-2006 | Hardware Avail: Jul-2006 | Software Avail: Jul-2006

Notes/Tuning Information (Continued)

255.vortex: -DSPEC_CPU2000_LP64