



# CINT2000 Result

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## ION

### A20 (Intel Xeon processor 5050, 3.0GHz)

SPECint\_rate2000 = 57.6

SPECint\_rate\_base2000 = 57.6

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	137	47.4	4	137	47.4
175.vpr	4	167	38.8	4	167	38.8
176.gcc	4	75.0	68.1	4	75.0	68.1
181.mcf	4	223	37.4	4	223	37.4
186.crafty	4	72.0	64.4	4	72.0	64.4
197.parser	4	176	47.5	4	176	47.5
252.eon	4	66.9	90.1	4	66.9	90.1
253.perlbnk	4	105	79.2	4	105	79.2
254.gap	4	98.3	51.9	4	98.3	51.9
255.vortex	4	91.4	96.5	4	91.4	96.5
256.bzip2	4	164	42.4	4	164	42.4
300.twolf	4	225	61.8	4	225	61.8

#### Hardware

CPU: Intel Xeon Processor 5050 (667Mhz System Bus)  
CPU MHz: 3000  
FPU: Integrated  
CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip (HyperThreading Technology disabled)  
CPU(s) orderable: 1,2 chips  
Parallel: No  
Primary Cache: 12KB(I) + 16KB(D) on chip, per core  
Secondary Cache: 2MB (I+D) on chip, per core  
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 20060519)  
File System: ext3  
System State: Multi-user

## Notes/Tuning Information

Tested by ION Computer Systems

BIOS 2.00 Build 54

HyperThreading Technology Disabled in BIOS

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

Standard Performance Evaluation Corporation

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## Notes/Tuning Information (Continued)

254.gap: -DSPEC\_CPU2000\_LP64 -DSYS\_IS\_USG  
255.vortex: -DSPEC\_CPU2000\_LP64