



# CINT2000 Result

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**ION**  
A20 (Intel Xeon processor 5060, 3.2GHz)

SPECint\_rate2000 = 67.7

SPECint\_rate\_base2000 = 67.7

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	127	51.2	4	127	51.2
175.vpr	4	139	46.9	4	139	46.9
176.gcc	4	57.3	89.0	4	57.3	89.0
181.mcf	4	152	54.9	4	152	54.9
186.crafty	4	83.0	55.9	4	83.0	55.9
197.parser	4	141	59.4	4	141	59.4
252.eon	4	66.9	90.1	4	66.9	90.1
253.perlbnk	4	94.6	88.3	4	94.6	88.3
254.gap	4	68.5	74.5	4	68.5	74.5
255.vortex	4	79.2	111	4	79.2	111
256.bzip2	4	143	48.6	4	143	48.6
300.twolf	4	188	74.2	4	188	74.2

### Hardware

CPU: Intel Xeon Processor 5060 (1066Mhz System Bus)  
 CPU MHz: 3200  
 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 80GB SATA (Seagate ST380817AS Barracuda 7200rpm)  
 Other Hardware: None

### Software

Operating System: Red Hat Enterprise Linux ES 4 Update 3 for x86 (32-bit)  
 Compiler: Intel(R) C++ Compiler for 32-bit apps, V9.1 (Build 20060706Z)  
 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 +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

254.gap: -DSYS\_IS\_USG

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