



# CINT2000 Result

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

SPECint\_rate2000 = 67.5

SPECint\_rate\_base2000 = 67.5

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	127	51.1	4	127	51.1
175.vpr	4	138	47.0	4	138	47.0
176.gcc	4	57.5	88.8	4	57.5	88.8
181.mcf	4	153	54.5	4	153	54.5
186.crafty	4	83.1	55.8	4	83.1	55.8
197.parser	4	141	59.3	4	141	59.3
252.eon	4	67.2	89.7	4	67.2	89.7
253.perlbnk	4	93.9	89.0	4	93.9	89.0
254.gap	4	69.0	73.9	4	69.0	73.9
255.vortex	4	79.1	111	4	79.1	111
256.bzip2	4	145	47.9	4	145	47.9
300.twolf	4	189	73.5	4	189	73.5

### 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 enabled)  
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 20060519Z)  
File System: ext3  
System State: Multi-user

## Notes/Tuning Information

Tested by ION Computer Systems

BIOS 2.00 Build 54

HyperThreading Technology Enabled in BIOS (Default)

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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