CINT2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

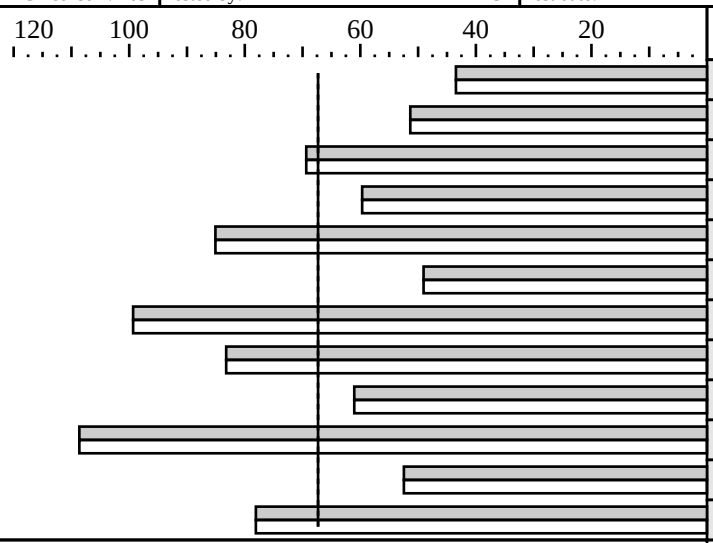
ION

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.perlbmk	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.perlbmk: -DSPEC_CPU2000_NEED_BOOL -DSPEC_CPU2000_LINUX_I386
                -DSPEC_CPU2000_LP64
       254.gap: -DSPEC_CPU2000_LP64 -DSYS_IS_USG
```

Copyright ©1999-2005, Standard Performance Evaluation Corporation

Notes/Tuning Information (Continued)

```
255.vortex: -DSPEC_CPU2000_LP64
```