CINT2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

ION Computer Systems

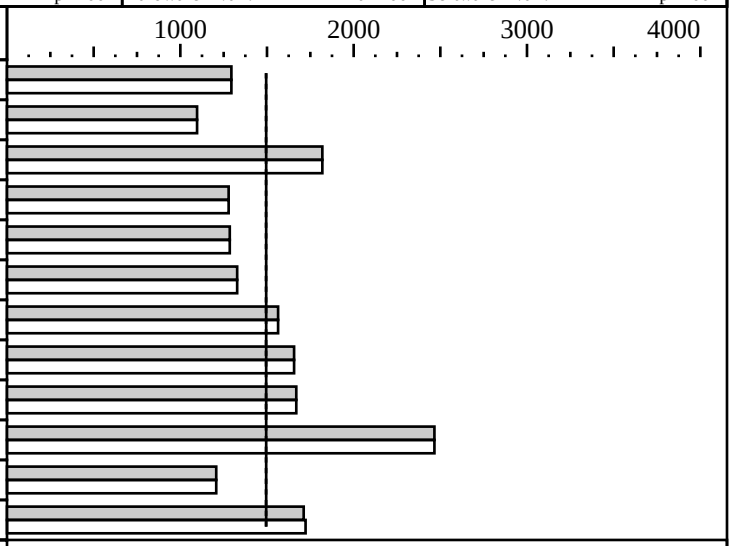
BX21 (3.2GHz Xeon processor w. 2MB L3 cache)

SPECint2000 = 1495

SPECint_base2000 = 1495

SPEC license #: 2697 | Tested by: ION | Test date: Apr-2004 | Hardware Avail: Mar-2004 | Software Avail: Apr-2004

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	108	1295	108	1295
175.vpr	1400	128	1097	128	1097
176.gcc	1100	60.5	1819	60.5	1819
181.mcf	1800	141	1279	141	1279
186.crafty	1000	77.8	1285	77.8	1285
197.parser	1800	136	1328	136	1328
252.eon	1300	83.1	1564	83.1	1564
253.perlbmk	1800	109	1656	109	1656
254.gap	1100	65.9	1669	65.9	1669
255.vortex	1900	77.1	2466	77.1	2466
256.bzip2	1500	124	1207	124	1207
300.twolf	3000	175	1712	174	1723



Hardware

CPU:	Intel Xeon processor, 533MHz system bus
CPU MHz:	3199
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip, HyperThreading disabled
CPU(s) orderable:	1-2
Parallel:	No
Primary Cache:	12K(I) micro-ops + 8KB(D) on chip
Secondary Cache:	512KB (I+D) on chip
L3 Cache:	2048KB (I+D) on chip
Other Cache:	None
Memory:	1 GB, DDR266, 2.5-3-3, (4x256MB DIMMs)
Disk Subsystem:	1x 40GB IDE, 5400rpm
Other Hardware:	None

Software

Operating System:	Red Hat Enterprise Linux ES release 3
Compiler:	Intel(R) C++ Compiler for Linux 8.0 (Build 20040412Z) MicroQuill SmartHeap Library 7.1 (www.microquill.com)
File System:	ext2
System State:	Multi-user, 2.4.21 up kernel

Notes/Tuning Information

```
Portability Flags:
      176.gcc: -Dalloca=_alloca -DUSG
   186.crafty: -DLINUX_i386
      252.eon: -DHAS_ERRLIST
      252.eon: srcalt=fmax_errno
  253.perlbmk: -DSPEC_CPU2000_LINUX_I386 -DSPEC_CPU2000_NEED_BOOL
               -DSPEC_CPU2000_GLIBC22
      254.gap: -DSYS_IS_USG -DSYS_HAS_IOCTL_PROTO -DSYS_HAS_TIME_PROTO
               -DSYS_HAS_SIGNAL_PROTO -DSYS_HAS_ANSI -DSYS_HAS_CALLOC_PROTO
   255.vortex: srcalt=closed_files
HyperThreading disabled in BIOS

INT Baseline optimization flags:
   C programs: PASS1= -xN -prof_gen PASS2= -xN -fast -prof_use
 C++ programs: PASS1= -xN -prof_gen PASS2= -xN -fast -ansi_alias -prof_use
INT Peak optimization flags:
      164.gzip: basepeak=yes
       175.vpr: basepeak=yes
       176.gcc: basepeak=yes
```

CINT2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

ION Computer Systems

BX21 (3.2GHz Xeon processor w. 2MB L3 cache)

SPECint2000 = 1495

SPECint_base2000 = 1495

SPEC license #: 2697 | Tested by: ION | Test date: Apr-2004 | Hardware Avail: Mar-2004 | Software Avail: Apr-2004

Notes/Tuning Information (Continued)

```
      181.mcf: basepeak=yes
    186.crafty: basepeak=yes
    197.parser: basepeak=yes
       252.eon: basepeak=yes
   253.perlbmk: basepeak=yes
       254.gap: basepeak=yes
    255.vortex: basepeak=yes
     256.bzip2: basepeak=yes
     300.twolf: PASS1= -xN -prof_gen PASS2= -xN -ipo -Oa -O3 -prof_use
Extra Library: -L${SH_PATH} -lsmartheap  (SH_PATH is path to SmartHeap Library)
```