CINT2000 Result

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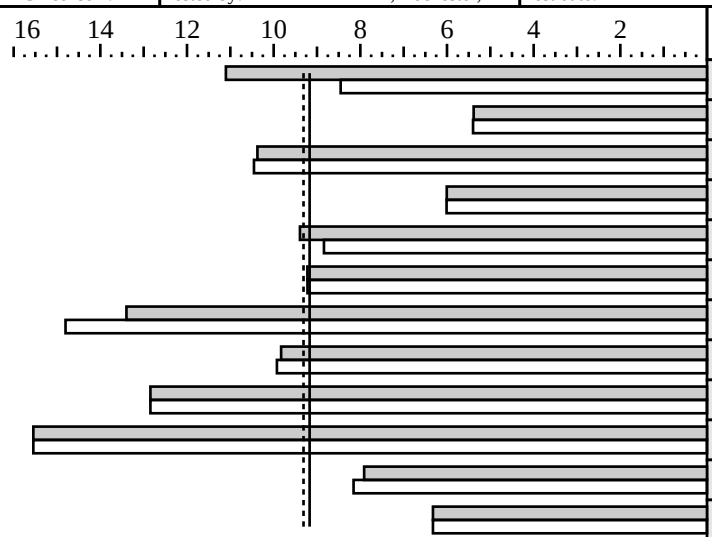
IBM
2892-001 (2.0 GHz LV Xeon)

SPECint_rate2000 = 9.17

SPECint_rate_base2000 = 9.31

SPEC license #: 11 | Tested by: IBM, Rochester, MN | Test date: Aug-2004 | Hardware Avail: Oct-2004 | Software Avail: Oct-2004



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	585	11.1	4	768	8.45
175.vpr	4	1206	5.39	4	1203	5.40
176.gcc	4	492	10.4	4	488	10.5
181.mcf	4	1391	6.01	4	1390	6.01
186.crafty	4	494	9.39	4	525	8.84
197.parser	4	906	9.22	4	906	9.22
252.eon	4	450	13.4	4	407	14.8
253.perlbmk	4	850	9.83	4	842	9.92
254.gap	4	397	12.8	4	397	12.8
255.vortex	4	567	15.5	4	567	15.5
256.bzip2	4	880	7.91	4	853	8.16
300.twolf	4	2201	6.32	4	2201	6.32

Hardware

CPU:	Intel LV Xeon 400/200 Mhz System/Memory buses
CPU MHz:	2000
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip (HT technology enabled)
CPU(s) orderable:	1
Parallel:	No
Primary Cache:	12K(I) micro-ops + 8KB(D) on chip
Secondary Cache:	512KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	2 x 512MB DDR200 Registered ECC
Disk Subsystem:	1 iSeries 2757-001 Disk IOA, 16 x 35.18GB 3516 15k RPM, unprotected.
Other Hardware:	2892 attached within iSeries 9406-810, cpu 25F0-000

Software

Operating System:	Windows Server 2003 Standard Edition Build 3790
Compiler:	Intel C++ Compiler 8.0 (20031017Z) Microsoft Visual Studio .NET (7.0.9466)
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
PORTABILITY FLAGS
  176.gcc:     -Dalloca=_alloca /F10000000
  186.crafty:  -DNT_i386
  253.perlbmk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
  254.gap:     -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO
FEEDBACK DIRECTED OPTIMIZATION
  ONESTEP=yes
BASE TUNING
  C:           -QxW -Qipo -O3 +FDO
  C++:         -QxW -Qipo -GX -GR
PEAK TUNING
  164.gzip:    -QxW -Qipo -Oa -O3 +FDO
  175.vpr:     -QxW -Qipo     -O3 +FDO
  176.gcc:     -QxW -Qipo     -O3 +FDO
  181.mcf:     -QxW -Qipo     -O3 +FDO
  186.crafty:  -QxW -Qipo     -O3 +FDO
  197.parser:  -QxW -Qipo     -O3 +FDO
```

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Notes/Tuning Information (Continued)

```
    252.eon:      -QxW -Qipo      -O3 +FDO
    253.perlbmk: -QxW -Qipo      -O3 +FDO
    254.gap:      basepeak=yes
    255.vortex    basepeak=yes
    256.bzip2:    -Qipo -Oa -Qunroll1 +FDO
    300.twolf:    basepeak=yes
  EXTRA LIBRARIES
This system is a fully contained Intel based processor board.
It supports all non-PCI devices directly on the board e.g
 memory, keyboard, mouse, display.
It attaches to the system as another PCI device.  The Windows
OS is provided PCI device drivers to allow the system to use
the PCI devices attached to the host iSeries system.  The host
OS then supports the use by Windows of the devices such as disks.

More information about the xSeries board in iSeries systems can
been found at http://www.ibm.com/servers/eserver/iseries/library
In particular, there is a Redbook available titled:
"Microsoft Windows Server 2003 Integration with iSeries"
that provides lots more detailed information.
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