CINT2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

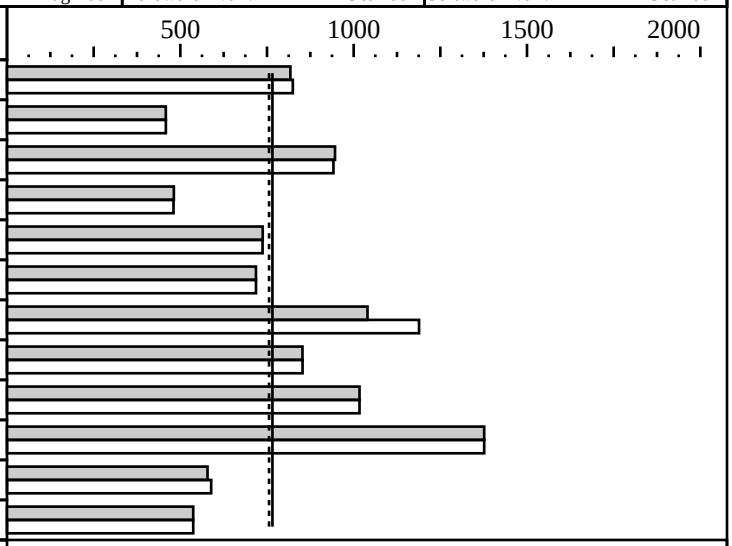
IBM
2892-001 (2.0 GHz LV Xeon)

SPECint2000 = 766

SPECint_base2000 = 756

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	171	817	170	824
175.vpr	1400	306	458	306	458
176.gcc	1100	116	946	117	942
181.mcf	1800	374	481	375	480
186.crafty	1000	136	738	136	737
197.parser	1800	251	718	251	718
252.eon	1300	125	1040	109	1189
253.perlbmk	1800	211	852	211	853
254.gap	1100	108	1017	108	1017
255.vortex	1900	138	1377	138	1377
256.bzip2	1500	259	578	255	589
300.twolf	3000	559	537	559	537



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
```

Copyright ©1999-2005, Standard Performance Evaluation Corporation

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.
```