CINT2000 Result

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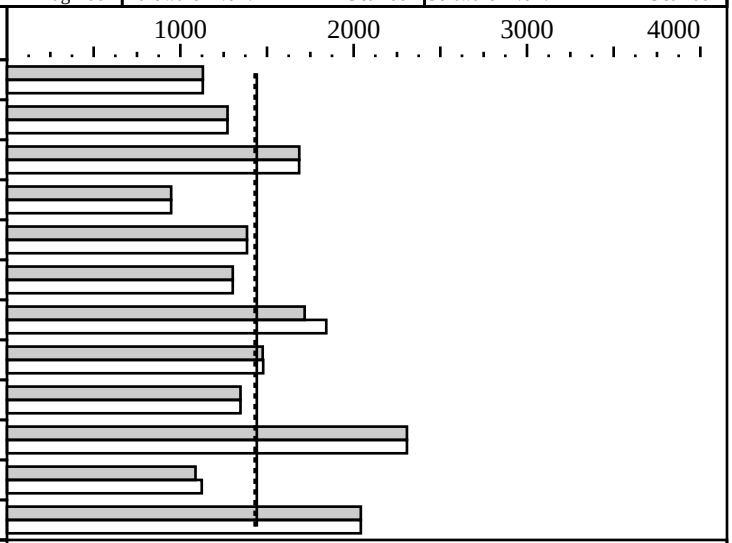
IBM
4812-001 (2.0 GHz Pentium M)

SPECint2000 = 1441

SPECint_base2000 = 1429

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	124	1130	124	1130
175.vpr	1400	110	1272	110	1272
176.gcc	1100	65.2	1686	65.3	1685
181.mcf	1800	190	947	190	947
186.crafty	1000	72.2	1385	72.2	1385
197.parser	1800	138	1303	138	1302
252.eon	1300	75.7	1717	70.6	1842
253.perlbmk	1800	122	1475	122	1478
254.gap	1100	81.7	1347	81.7	1347
255.vortex	1900	82.3	2307	82.3	2307
256.bzip2	1500	138	1088	134	1124
300.twolf	3000	147	2041	147	2041



Hardware

CPU:	Intel Pentium M 400/200 Mhz System/Memory buses
CPU MHz:	2000
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1
Parallel:	No
Primary Cache:	32K(I) micro-ops + 32KB(D) on chip
Secondary Cache:	2MB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	1 x 1024MB DDR200 Registered ECC
Disk Subsystem:	1 iSeries 2757-001 Disk IOA, 16 x 35.18GB 3516 15k RPM, unprotected.
Other Hardware:	4812 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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