CINT2000 Result

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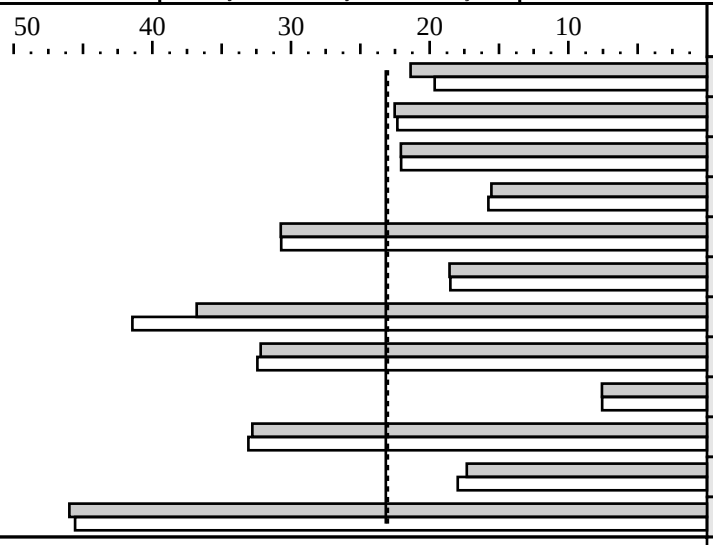
Unisys
e-@ction Enterprise Server ES7000

SPECint_rate2000 = 23.2

SPECint_rate_base2000 = 23.0

SPEC license #: 15 | Tested by: Unisys, Mission Viejo, CA | Test date: Jan-2001 | Hardware Avail: Nov-2000 | Software Avail: Nov-2000



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	8	608	21.4	8	662	19.6
175.vpr	8	577	22.5	8	582	22.3
176.gcc	8	462	22.1	8	463	22.1
181.mcf	8	1074	15.5	8	1060	15.8
186.crafty	8	302	30.7	8	302	30.7
197.parser	8	900	18.6	8	903	18.5
252.eon	8	328	36.8	8	291	41.4
253.perlbmk	8	519	32.2	8	515	32.4
254.gap	8	1347	7.58	8	1350	7.56
255.vortex	8	538	32.8	8	533	33.1
256.bzip2	8	804	17.3	8	774	18.0
300.twolf	8	605	46.0	8	611	45.6

Hardware

CPU:	Intel Pentium III Xeon 700 MHz
CPU MHz:	651
FPU:	Integrated
CPU(s) enabled:	8 cores, 8 chips, 1 core/chip
CPU(s) orderable:	Up to 32
Parallel:	No
Primary Cache:	16KB(I)+16KB(D) on chip
Secondary Cache:	2MB(I+D) on die
L3 Cache:	One 16MB L3 cache per 4 CPUs
Other Cache:	N/A
Memory:	16GB
Disk Subsystem:	10x36GB ESM7700-C10
Other Hardware:	

Software

Operating System:	Windows 2000 Datacenter build 2195
Compiler:	Intel C/C++ Compiler 5.0 for Windows NT Microsoft Visual C++ 6.0 (for libraries) MicroQuill SmartHeap Library 5.0
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
FEEDBACK-DIRECTED OPTIMIZATION
 +FDO: PASS1=-Qprof_gen  PASS2=-Qprof_use
BASE TUNING
  C SOURCE:  -QxK -Qipo shlW32M.lib +FDO
  C++ SOURCE:  -QxK -Qipo -GX -GR
PORTABILITY FLAGS
  176.gcc:     -Dalloca=_alloca /F10000000
  186.crafy:   -DNT_i386
  253.perlbmk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
  254.gap:     -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO
PEAK TUNING
  164.gzip:  -QxK -Qipo +FDO shlW32M.lib
  175.vpr:   -QxK -Qipo +FDO shlW32M.lib
  176.gcc:  -QxK -Qipo +FDO shlW32M.lib
  181.mcf:  -QxK -Qipo +FDO shlW32M.lib
  186.crafty:  -QxK -Qipo +FDO shlW32M.lib
  197.parser:  -QxK -Qipo +FDO shlW32M.lib
  252.eon:     -QxK -Qipo +FDO
  253.perlbmk: -QxK -Qipo +FDO shlW32M.lib
  254.gap:  -QxK -Qipo +FDO shlW32M.lib
```

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Notes/Tuning Information (Continued)

```
    255.vortex:  -QxK -Qipo +FDO -Oa shlW32M.lib
    256.bzip2:  -QxK -Qipo +FDO -Oa shlW32M.lib
    300.twolf:  -QxK -Qipo +FDO -Oa shlW32M.lib
  LIBRARIES
    shlW32M.lib: MicroQuill SmartHeap Library 5.0
                 www.microquill.com
```