CINT2000 Result

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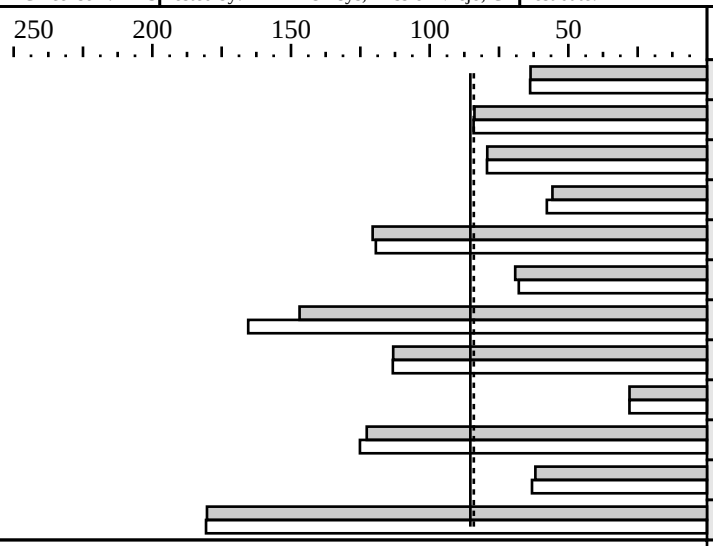
Unisys
e-@ction Enterprise Server ES7000

SPECint_rate2000 = 85.3

SPECint_rate_base2000 = 84.1

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	32	817	63.6	32	815	63.8
175.vpr	32	620	83.9	32	617	84.2
176.gcc	32	515	79.2	32	515	79.3
181.mcf	32	1199	55.7	32	1157	57.8
186.crafty	32	308	121	32	311	119
197.parser	32	966	69.2	32	985	67.9
252.eon	32	328	147	32	292	165
253.perlbmk	32	591	113	32	590	113
254.gap	32	1461	27.9	32	1460	28.0
255.vortex	32	575	123	32	564	125
256.bzip2	32	900	61.9	32	882	63.1
300.twolf	32	618	180	32	616	181

Hardware

CPU:	Intel Pentium III Xeon 700 MHz
CPU MHz:	651
FPU:	Integrated
CPU(s) enabled:	32 cores, 32 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
```