CINT2000 Result

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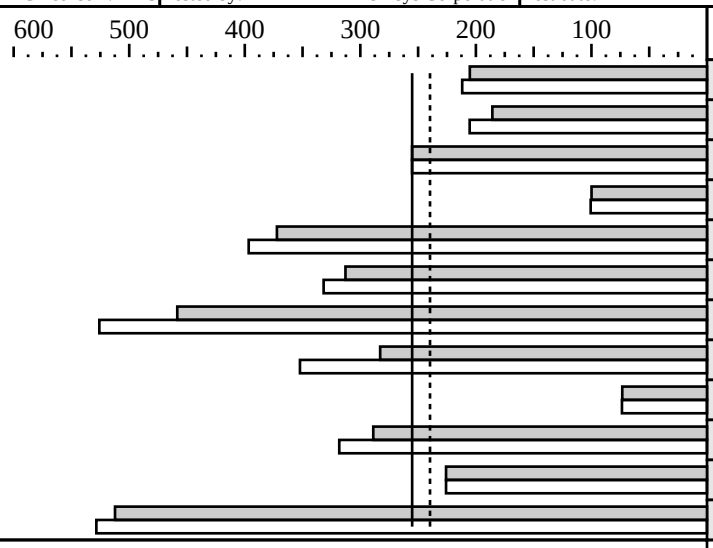
Unisys Corporation
ES7000 Orion 540

SPECint_rate2000 = 255

SPECint_rate_base2000 = 240

SPEC license #: 15 | Tested by: Unisys Corporation | Test date: Jun-2003 | Hardware Avail: Jul-2003 | Software Avail: May-2003



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	32	253	205	32	245	212
175.vpr	32	280	186	32	253	205
176.gcc	32	160	255	32	160	255
181.mcf	32	669	99.9	32	664	101
186.crafty	32	99.7	372	32	93.6	397
197.parser	32	214	313	32	201	332
252.eon	32	105	458	32	91.8	526
253.perlbmk	32	236	283	32	190	352
254.gap	32	557	73.3	32	555	73.6
255.vortex	32	244	289	32	222	318
256.bzip2	32	247	226	32	247	226
300.twolf	32	217	512	32	211	528

Hardware

CPU:	Intel Xeon MP
CPU MHz:	2800
FPU:	Integrated
CPU(s) enabled:	32 cores, 32 chips, 1 core/chip
CPU(s) orderable:	16,20,24,28,32
Parallel:	No
Primary Cache:	12K(I) micro-ops + 8KBD on chip
Secondary Cache:	512KB(I+D) on chip
L3 Cache:	2048KB(I+D) on-die
Other Cache:	32MB L4 cache off chip per 4 CPUs
Memory:	8GB
Disk Subsystem:	2X36GB SCSI RAID 0 DISKS (15K rpm each)
Other Hardware:	

Software

Operating System:	Windows Server 2003 Datacenter Build 3790
Compiler:	Intel C++ Compiler 7.1 Build 20030307Z Microsoft Visual .NET 7.0.9466 MicroQuill SmartHeap Library 6.0
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen  PASS2=-Qprof_use
Base tuning for C programs  : -Qxi -Qipo -Qfp_port
Base tuning for C++ programs: -QxW -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:     -QxW -Qipo -Oa -Oi- +FDO
175.vpr:      -QxW -Qipo     -O3  +FDO
176.gcc:      same as base
181.mcf:      -QxW -Qipo     -O3 +FDO
186.crafty:   -QxW -Qipo -Oa -O3 +FDO
197.parser:   -QxW -Qipo     -O3 +FDO
252.eon:      -QxW -Qipo     -O3 +FDO
253.perlbmk:  -QxW -Qipo     -O3 +FDO shlW32M.lib
254.gap:      same as base
255.vortex    -QxW -Qipo     -O3 +FDO
256.bzip2:    same as base
```

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Notes/Tuning Information (Continued)

```
300.twolf:    -QxW -Qipo     -O3 +FDO shlW32M.lib
The memory was configured using Unisys Server Sentinel System Management product.
```