



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.perlbnk	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.crafty: -DNT_i386

253.perlbnk: -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.perlbnk: -QxK -Qipo +FDO shlW32M.lib

254.gap: -QxK -Qipo +FDO shlW32M.lib



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Notes/Tuning Information (Continued)

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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
```