



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.perlbnk	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.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
```