



CINT2000 Result

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Unisys Corporation
ES3040 (3.0 GHz Xeon MP)

SPECint_rate2000 = 59.2
SPECint_rate_base2000 = 57.1

SPEC license #: 15 Tested by: Unisys Corporation Test date: Nov-2004 Hardware Avail: Apr-2004 Software Avail: Aug-2004

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	122	53.3	4	120	54.3
175.vpr	4	147	44.2	4	142	45.8
176.gcc	4	93.2	54.8	4	93.2	54.8
181.mcf	4	201	41.5	4	146	57.2
186.crafty	4	85.5	54.3	4	83.6	55.5
197.parser	4	148	56.3	4	147	56.8
252.eon	4	70.2	85.9	4	70.7	85.3
253.perlbnk	4	128	65.2	4	125	67.0
254.gap	4	167	30.6	4	163	31.2
255.vortex	4	89.7	98.3	4	89.7	98.3
256.bzip2	4	121	57.5	4	121	57.5
300.twolf	4	185	75.3	4	185	75.3

Hardware

CPU: Intel Xeon MP (400 MHz bus)
CPU MHz: 3000
FPU: Integrated
CPU(s) enabled: 4 cores, 4 chips, 1 core/chip(HT technology disabled)
CPU(s) orderable: 1,2,4
Parallel: No
Primary Cache: 12K(I) micro-ops + 8KB(D) on chip
Secondary Cache: 512KB(I+D) on chip
L3 Cache: 4096KB(I+D) on chip
Other Cache: N/A
Memory: 16x256MB DDR200
Disk Subsystem: 1X36GB SCSI DISK(15K rpm)
Other Hardware:

Software

Operating System: MS Windows 2003 Server Standard Edition Build 3790
Compiler: Intel C++ Compiler 8.1 Build 20040802Z
Microsoft .Net Visual Studio build 7.0.9466
SmartHeap Library Version 7.1
File System: NTFS
System State: Default

Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use
Base tuning for C programs: -Qipo -QxN +FDO shlW32M.lib
Base tuning for C++ programs: -Qipo -QxN -Qcxxx_features +FDO
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: -O3 -Qipo -QxN -Qansi_alias -Oa +FDO
175.vpr: -O3 -Qipo -QxN -Qansi_alias +FDO
176.gcc: basepeak=yes
181.mcf: -O3 -Qipo -QxN -Qansi_alias +FDO
186.crafty: -O3 -Qipo -QxN -Qansi_alias -Oa +FDO
197.parser: -O3 -Qipo -QxN -Qansi_alias +FDO
252.eon: -O3 -Qipo -QxN +FDO
253.perlbnk: -O3 -Qipo -QxN -Qansi_alias +FDO shlW32M.lib
254.gap: -O3 -Qipo -QxN -Qunroll11 -Zp8 +FDO
255.vortex: basepeak=yes
256.bzip2: basepeak=yes
```



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Notes/Tuning Information (Continued)

300.twolf: basepeak=yes