



# CINT2000 Result

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## Unisys Corporation

ES7000/one (1.6GHz/24MB,Dual Core Itanium 2 9050)

SPECint\_rate2000 = --

SPECint\_rate\_base2000 = 489

SPEC license #: 15 Tested by: Unisys Corporation Test date: Aug-2006 Hardware Avail: Aug-2006 Software Avail: Aug-2006

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	32	143	364			
175.vpr	32	120	434			
176.gcc	32	68.4	597			
181.mcf	32	79.1	844			
186.crafty	32	80.2	463			
197.parser	32	172	389			
252.eon	32	59.5	811			
253.perlbmk	32	132	505			
254.gap	32	233	176			
255.vortex	32	89.4	789			
256.bzip2	32	129	433			
300.twolf	32	209	534			

### Hardware

CPU: Intel(R) DC Itanium(R) 2 9050 (1.6GHz/24MB,400MHz FSB)  
CPU MHz: 1600  
FPU: Integrated  
CPU(s) enabled: 32 cores, 16 chips, 2 cores/chip(Hyper-Threading Technology disabled)  
CPU(s) orderable: 4,8,12,16,24,32 chips  
Parallel: No  
Primary Cache: 16KB(I)+16KB(D) on chip, per core  
Secondary Cache: 1024KB(I)+256KB(D) on chip, per core  
L3 Cache: 12MB(I+D) on chip, per core  
Other Cache: 64MB per 4 chips  
Memory: 128GB(64x2GB DIMMs)  
Disk Subsystem: 1x36GB SCSI(10K RPM)  
Other Hardware: N/A

### Software

Operating System: Red Hat Enterprise Linux AS 4 Update4  
Compiler: Intel(R) C++ Compiler 9.1 for Linux (Build 20060323)  
File System: ext3  
System State: multi-user

## Notes/Tuning Information

+FDO: PASS1=-prof\_gen PASS2=-prof\_use

Base tuning:

C programs: -fast -auto\_ilp32 +FDO

C++ programs: -fast -auto\_ilp32 -IPF\_fp\_relaxed +FDO

Portability flags:

Portability Flags:

186.crafty: -DLINUX\_i386

252.eon: -DSPEC\_CPU2000\_LP64 -DHAS\_ERRLIST

253.perlbmk: -DSPEC\_CPU2000\_LP64 -DSPEC\_CPU2000\_NEED\_BOOL  
-DSPEC\_CPU2000\_LINUX\_IA64

254.gap: -DSPEC\_CPU2000\_LP64 -DSYS\_IS\_USG -include unistd.h

255.vortex: -DSPEC\_CPU2000\_LP64

Processes are bound to CPUs using taskset utility.