



CINT2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Hewlett-Packard Company
ProLiant ML370 G4 (3.4GHz, Intel Xeon)

SPECint2000 = 1489
SPECint_base2000 = 1456

SPEC license #: 3 Tested by: Hewlett-Packard Company Test date: Jul-2004 Hardware Avail: Aug-2004 Software Avail: Aug-2004

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	125	1123	125	1118	
175.vpr	1400	147	951	143	979	
176.gcc	1100	61.2	1799	61.2	1799	
181.mcf	1800	150	1198	150	1197	
186.crafty	1000	79.2	1262	79.3	1262	
197.parser	1800	139	1295	139	1295	
252.eon	1300	77.9	1669	65.2	1993	
253.perlbmk	1800	102	1761	99.2	1814	
254.gap	1100	62.6	1757	61.6	1787	
255.vortex	1900	73.0	2602	73.0	2602	
256.bzip2	1500	141	1066	137	1095	
300.twolf	3000	179	1679	179	1679	

Hardware

CPU: Intel Xeon (3.4GHz, 1MB L2, 800MHz bus)
 CPU MHz: 3400
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip (HT Technology disabled)
 CPU(s) orderable: 1,2
 Parallel: --
 Primary Cache: 16K micro-ops I + 16KBD on chip
 Secondary Cache: 1024KB(I+D) on chip
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 8x512MB DDR2-400
 Disk Subsystem: 1x18.2GB 15K Ultra320 SCSI
 Other Hardware:

Software

Operating System: Windows Server 2003 Standard (Build 3790)
 Compiler: Intel C++ Compiler 8.0 Build 20031211Z
 Microsoft Visual Studio .NET 7.0.9466 (for libraries)
 MicroQuill Smartheap Library 7.0
 File System: NTFS
 System State: Default

Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use
+FDO*: FDO (-QxP not used in PASS1 to enable cross-compilation)
Base tuning for C programs: -QxP -fast +FDO* shlw32M.lib
Base tuning for C++ programs: -QxP -fast -GX -GR
Portability flags:
 176.gcc: -Dalloca=_alloca /F10000000
 186.crafty: -DNT_i386
 253.perlbmk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
 254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO
Peak tuning:
 164.gzip: -QxP -fast -Oa +FDO
 175.vpr: -QxP -fast +FDO
 176.gcc: basepeak = 1
 181.mcf: -QxP -fast +FDO shlw32M.lib
 186.crafty: -QxP -fast -Oa +FDO shlw32M.lib
 197.parser: -QxP -fast +FDO
 252.eon: -QxP -O2 -Qipo +FDO*
 253.perlbmk: -fast -Oa +FDO shlw32M.lib
 254.gap: -QxP -fast +FDO
 255.vortex: -QxP -fast +FDO shlw32M.lib
```



CINT2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Hewlett-Packard Company
ProLiant ML370 G4 (3.4GHz, Intel Xeon)

SPECint2000 =	1489
SPECint_base2000 =	1456

SPEC license #:	3	Tested by:	Hewlett-Packard Company	Test date:	Jul-2004	Hardware Avail:	Aug-2004	Software Avail:	Aug-2004
-----------------	---	------------	-------------------------	------------	----------	-----------------	----------	-----------------	----------

Notes/Tuning Information (Continued)

```
256.bzip2:      -fast -Oa -Qunroll11 +FDO
300.twolf:      -QxP -fast -O3          +FDO  shlw32M.lib ONESTEP=yes
BIOS Configuration Notes
HT Technology disabled
```