



CINT2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

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

SPECint_rate2000 = 32.4
SPECint_rate_base2000 = 31.7

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	126	25.7	2	127	25.7
175.vpr	2	160	20.3	2	154	21.0
176.gcc	2	64.0	39.9	2	64.0	39.9
181.mcf	2	215	19.4	2	215	19.4
186.crafty	2	79.4	29.2	2	79.4	29.2
197.parser	2	142	29.3	2	142	29.3
252.eon	2	77.9	38.7	2	65.3	46.2
253.perlbnk	2	103	40.4	2	100	41.6
254.gap	2	70.0	36.5	2	69.2	36.9
255.vortex	2	76.2	57.8	2	76.4	57.7
256.bzip2	2	151	23.1	2	149	23.4
300.twolf	2	178	39.1	2	178	39.1

Hardware

CPU: Intel Xeon (3.4GHz, 1MB L2, 800MHz bus)
 CPU MHz: 3400
 FPU: Integrated
 CPU(s) enabled: 2 cores, 2 chips, 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.perlbnk: -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.perlbnk: -fast -Oa +FDO shlw32M.lib
 254.gap: -QxP -fast +FDO



CINT2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

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

SPECint_rate2000 = 32.4
SPECint_rate_base2000 = 31.7

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

Notes/Tuning Information (Continued)

```
255.vortex: -QxP -fast +FDO shlw32M.lib
256.bzip2: -fast -Oa -Qunroll1 +FDO
300.twolf: -QxP -fast -O3 +FDO shlw32M.lib ONESTEP=yes
BIOS Configuration Notes
HT Technology disabled
```