



CINT2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Hewlett-Packard Company
ProLiant ML350 G4 (3.4GHz, Intel Xeon)

SPECint2000 = 1452
SPECint_base2000 = 1420

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	124	1131	124	1131	
175.vpr	1400	154	907	149	941	
176.gcc	1100	63.0	1746	63.0	1746	
181.mcf	1800	159	1135	159	1135	
186.crafty	1000	79.5	1259	79.5	1259	
197.parser	1800	142	1264	142	1266	
252.eon	1300	77.5	1676	63.9	2036	
253.perlbmk	1800	102	1757	101	1787	
254.gap	1100	64.2	1713	63.5	1731	
255.vortex	1900	76.4	2486	76.4	2486	
256.bzip2	1500	148	1013	147	1017	
300.twolf	3000	183	1635	183	1635	

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: No
Primary Cache: 12K micro-ops I + 16KBD on chip
Secondary Cache: 1024KB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 4x2048MB PC2700 CL2.5
Disk Subsystem: 1x72.8GB 10K U320
Other Hardware:

Software

Operating System: Windows Server 2003 Standard (Build 3790)
Compiler: Intel C++ Compiler 8.1 Build 20040802Z
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*: PASS1=-Qprof_gen PASS2=-Qprof_use (-QxP not used in PASS1 to enable cross-compilation)
Base tuning for C programs: -fast +FDO shlw32M.lib
Base tuning for C++ programs: -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: basepeak=1
 175.vpr: -fast +FDO ONESTEP=yes
 176.gcc: basepeak=1
 181.mcf: -fast +FDO ONESTEP=yes shlw32M.lib
 186.crafty: -fast -Oa +FDO ONESTEP=yes shlw32M.lib
 197.parser: -fast +FDO ONESTEP=yes
 252.eon: -QxP -O2 -Qipo +FDO* ONESTEP=yes
 253.perlbmk: -fast -Oa +FDO ONESTEP=yes shlw32M.lib
 254.gap: -fast +FDO ONESTEP=yes
 255.vortex: basepeak=1
```



CINT2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Hewlett-Packard Company
ProLiant ML350 G4 (3.4GHz, Intel Xeon)

SPECint2000 =	1452
SPECint_base2000 =	1420

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

Notes/Tuning Information (Continued)

256.bzip2: -fast -Oa -Qunroll11 +FDO ONESTEP=yes
300.twolf: basepeak=1
BIOS Configuration Notes
HT Technology disabled