



CINT2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Hewlett-Packard Company
ProLiant DL380 G4 (3.4GHz, Intel Xeon)

SPECint_rate2000 = 17.1
SPECint_rate_base2000 = 16.6

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	1	125	13.0	1	125	13.0
175.vpr	1	153	10.6	1	146	11.2
176.gcc	1	62.5	20.4	1	62.5	20.4
181.mcf	1	164	12.7	1	157	13.3
186.crafty	1	79.3	14.6	1	79.3	14.6
197.parser	1	140	14.9	1	139	15.0
252.eon	1	78.0	19.3	1	65.3	23.1
253.perlbnk	1	102	20.5	1	100	20.9
254.gap	1	62.7	20.4	1	61.7	20.7
255.vortex	1	73.2	30.1	1	73.0	30.2
256.bzip2	1	143	12.2	1	139	12.5
300.twolf	1	179	19.4	1	178	19.5

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: 16K micro-ops I + 16KBD on chip
Secondary Cache: 1024KB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 4x512MB 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 ONESTEP=yes
175.vpr: -QxP -fast +FDO ONESTEP=yes
176.gcc: basepeak = 1
181.mcf: -QxP -fast +FDO ONESTEP=yes shlw32M.lib
186.crafty: -QxP -fast -Oa +FDO ONESTEP=yes shlw32M.lib
197.parser: -QxP -fast +FDO ONESTEP=yes
252.eon: -QxP -O2 -Qipo +FDO*
253.perlbnk: -fast -Oa +FDO ONESTEP=yes shlw32M.lib
254.gap: -QxP -fast +FDO ONESTEP=yes
255.vortex: -QxP -fast +FDO ONESTEP=yes shlw32M.lib
```



CINT2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Hewlett-Packard Company
ProLiant DL380 G4 (3.4GHz, Intel Xeon)

SPECint_rate2000 = 17.1
SPECint_rate_base2000 = 16.6

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 ONESTEP=yes
300.twolf: -QxP -fast -O3 +FDO* shlw32M.lib
BIOS Configuration Notes
HT Technology disabled