



CINT2000 Result

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Hewlett-Packard Company
ProLiant BL20p G3 (3.6GHz, Intel Xeon)

SPECint_rate2000 = 17.9
SPECint_rate_base2000 = 17.5

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	1	117	13.9	1	118	13.8
175.vpr	1	146	11.1	1	141	11.5
176.gcc	1	59.1	21.6	1	59.1	21.6
181.mcf	1	143	14.6	1	142	14.7
186.crafty	1	75.0	15.5	1	74.9	15.5
197.parser	1	133	15.6	1	133	15.7
252.eon	1	73.5	20.5	1	60.4	25.0
253.perlbnk	1	96.8	21.6	1	96.1	21.7
254.gap	1	60.8	21.0	1	59.5	21.4
255.vortex	1	71.5	30.8	1	71.5	30.8
256.bzip2	1	141	12.3	1	140	12.4
300.twolf	1	173	20.1	1	174	20.0

Hardware

CPU: Intel Xeon (3.6GHz, 1MB L2, 800MHz bus)
CPU MHz: 3600
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 PC3200 CL3.0
Disk Subsystem: 1x72.8GB 15K 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
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 ONESTEP=yes
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
256.bzip2: -fast -Oa -Qunroll1 +FDO ONESTEP=yes
```



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Notes/Tuning Information (Continued)

300.twolf: -QxP -fast +FDO shlw32M.lib
BIOS Configuration Notes
HT Technology disabled