



CINT2000 Result

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Hewlett-Packard Company
ProLiant BL20p G2 (3.06GHz/1MB L3 cache, Intel Xeon)

SPECint_rate2000 = 14.6
SPECint_rate_base2000 = 14.0

SPEC license #: 3 | Test date: Aug-2003 | Hardware Avail: Jul-2003 | Software Avail: Jun-2003

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	1	122	13.3	1	115	14.1
175.vpr	1	173	9.37	1	162	10.00
176.gcc	1	68.9	18.5	1	66.6	19.2
181.mcf	1	242	8.64	1	231	9.03
186.crafty	1	85.5	13.6	1	85.2	13.6
197.parser	1	159	13.1	1	155	13.4
252.eon	1	97.7	15.4	1	80.4	18.7
253.perlbnk	1	127	16.5	1	122	17.1
254.gap	1	74.0	17.3	1	70.2	18.2
255.vortex	1	116	19.1	1	119	18.5
256.bzip2	1	160	10.9	1	154	11.3
300.twolf	1	201	17.3	1	207	16.8

Hardware

CPU: Intel Xeon (3.06GHz, 533MHz bus)
CPU MHz: 3066
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading disabled)
CPU(s) orderable: 1,2
Parallel: No
Primary Cache: 12K micro-ops I + 8KBD on chip
Secondary Cache: 512KB(I+D) on chip
L3 Cache: 1024KB(I+D) on chip
Other Cache: N/A
Memory: 2x1024MB PC2100
Disk Subsystem: 2x18.2GB 15K Ultra3 SCSI
Other Hardware:

Software

Operating System: Windows 2000 Server (Build 2195 SP3)
Compiler: Intel C++ Compiler 7.1 Build 20030801Z
Microsoft Visual Studio Enterprise Edition 6.0 (for libraries)
MicroQuill Smartheap Library 7.0
File System: NTFS
System State: Hypertexting disabled in BIOS

Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use
Base tuning for C programs: -QxW -Qipo +FDO shlw32m.lib ONESTEP=yes
Base tuning for C++ programs: -Qipo -GX -GR +FDO ONESTEP=yes
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: -QxW -Qipo -O3 +FDO ONESTEP=yes
175.vpr: -QxW -Qipo -O3 +FDO ONESTEP=yes
176.gcc: -QxW -Qipo -O3 -Oi- +FDO shlw32M.lib ONESTEP=yes
181.mcf: -Oa -Qipo +FDO shlw32M.lib ONESTEP=yes
186.crafty: -QxW -Qipo -O3 +FDO ONESTEP=yes
197.parser: -QxW -Qipo -Oa -O3 +FDO ONESTEP=yes
252.eon: -QxW -Qipo -O3 +FDO ONESTEP=yes
253.perlbnk: -Qipo -O3 -Oa +FDO shlw32M.lib ONESTEP=yes
254.gap: -QxW -Qipo -O3 +FDO ONESTEP=yes
255.vortex: -QxW -Qipo -O3 +FDO ONESTEP=yes
256.bzip2: -Qunroll1 -Qipo -Oa +FDO ONESTEP=yes
```



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SPEC license #: 3 | Test address: Hewlett-Packard Company, Houston TX | Test date: Aug-2003 | Hardware Avail: Jul-2003 | Software Avail: Jun-2003

Notes/Tuning Information (Continued)

300.twolf: -Qxi -Qipo +FDO shlw32M.lib ONESTEP=yes