



CINT2000 Result

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Hewlett-Packard Company
ProLiant BL20p G2 (3.06GHz, Intel Xeon)

SPECint2000 = **1075**
SPECint_base2000 = **1048**

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	122	1144	116	1212
175.vpr	1400	240	582	228	613
176.gcc	1100	79.9	1376	87.8	1254
181.mcf	1800	278	648	262	687
186.crafty	1000	90.2	1109	89.6	1116
197.parser	1800	181	997	175	1026
252.eon	1300	97.8	1329	80.6	1612
253.perlbmk	1800	130	1389	125	1439
254.gap	1100	76.6	1437	73.0	1507
255.vortex	1900	126	1508	136	1396
256.bzip2	1500	190	789	185	810
300.twolf	3000	356	843	363	826

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: None
 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: Hyperthreading disabled in BIOS

Notes/Tuning Information

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+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.perlbmk: -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.perlbmk: -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	Tested by:	Hewlett-Packard Company, Houston TX	Test date:	Aug-2003	Hardware Avail:	Apr-2003	Software Avail:	Jun-2003
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Notes/Tuning Information (Continued)

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