



CINT2000 Result

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Hewlett-Packard Company
ProLiant DL140(3.2GHz/1MB L3 cache, Intel Xeon)

SPECint2000 = **1258**
SPECint_base2000 = **1182**

SPEC license #: 3 Tested by: Hewlett-Packard Company Test date: Nov-2003 Hardware Avail: Nov-2003 Software Avail: Nov-2003

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	500 1000 1500 2000			
164.gzip	1400	113	1242	113	1240	[Bar chart showing ratio 1240]			
175.vpr	1400	166	842	164	853	[Bar chart showing ratio 853]			
176.gcc	1100	76.1	1445	69.2	1591	[Bar chart showing ratio 1591]			
181.mcf	1800	299	601	294	612	[Bar chart showing ratio 612]			
186.crafty	1000	81.7	1224	81.7	1224	[Bar chart showing ratio 1224]			
197.parser	1800	159	1134	156	1153	[Bar chart showing ratio 1153]			
252.eon	1300	91.9	1415	78.5	1656	[Bar chart showing ratio 1656]			
253.perlbnk	1800	128	1412	119	1512	[Bar chart showing ratio 1512]			
254.gap	1100	72.3	1521	72.2	1524	[Bar chart showing ratio 1524]			
255.vortex	1900	103	1851	102	1858	[Bar chart showing ratio 1858]			
256.bzip2	1500	165	907	159	945	[Bar chart showing ratio 945]			
300.twolf	3000	260	1153	185	1619	[Bar chart showing ratio 1619]			

Hardware

CPU: Intel Xeon (3.2GHz, 533MHz bus)
 CPU MHz: 3200
 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: 4x512MB PC2100
 Disk Subsystem: 1x80GB ATA/100 7200 rpm
 Other Hardware:

Software

Operating System: Windows 2000 Server(Build 2195 SP3)
 Compiler: Intel C++ Compiler 7.1 Build 20030813Z
 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: -QxW -Qipo -O3 +FDO 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: -O3 -QxW -Qipo +FDO ONESTEP=yes
 175.vpr: -QxW -Qipo -O3 +FDO ONESTEP=yes
 176.gcc: -QxW -Qipo -Oi- -O3 +FDO 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 -Oa -O3 +FDO shlw32M.lib ONESTEP=yes
 254.gap: -QxW -Qipo -O3 +FDO ONESTEP=yes
 255.vortex: -QxW -Qipo -O3 +FDO ONESTEP=yes
 256.bzip2: -Qunroll1 -Oa -Qipo +FDO ONESTEP=yes
```



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SPECint2000 = 1258
SPECint_base2000 = 1182

SPEC license #: 3 | Tested by: Hewlett-Packard Company | Test date: Nov-2003 | Hardware Avail: Nov-2003 | Software Avail: Nov-2003

Notes/Tuning Information (Continued)

300.twolf: -QxW -Qipo -O3 -Oa +FDO shlw32M.lib ONESTEP=yes
BIOS Configuration Notes
Hyper Threading disabled