



CINT2000 Result

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Hewlett-Packard Company
ProLiant ML350 G4p (3.4GHz, Intel Xeon)

SPECint2000 = 1617
SPECint_base2000 = 1575

SPEC license #: 3 Tested by: Hewlett-Packard Company Test date: Mar-2005 Hardware Avail: Mar-2005 Software Avail: Nov-2004

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	124	1132	124	1132	
175.vpr	1400	125	1118	122	1149	
176.gcc	1100	57.3	1920	57.3	1920	
181.mcf	1800	96.8	1859	94.4	1906	
186.crafty	1000	79.2	1263	79.2	1263	
197.parser	1800	130	1389	129	1395	
252.eon	1300	78.4	1658	64.5	2015	
253.perlbmk	1800	101	1791	98.0	1836	
254.gap	1100	63.3	1737	61.6	1786	
255.vortex	1900	67.2	2828	67.2	2828	
256.bzip2	1500	125	1204	123	1215	
300.twolf	3000	179	1675	179	1675	

Hardware

CPU: Intel Xeon (3.4GHz, 2MB L2, 800MHz bus)
CPU MHz: 3400
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)
CPU(s) orderable: 1,2
Parallel: No
Primary Cache: 12K micro-ops I + 16KBD on chip
Secondary Cache: 2048KB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 6x2048MB PC2-3200 CL3 Dual-Rank DIMMs
Disk Subsystem: 1x18.2GB 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
+FDO*: PASS1=-Qprof_gen PASS2=-Qprof_use (-QxP not used in PASS1 to enable cross-compilation)
Base tuning for C programs: -fast +FDO shlw32M.lib
Base tuning for C++ programs: -fast -GX -GR
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: basepeak=1
175.vpr: -fast +FDO ONESTEP=yes
176.gcc: basepeak = 1
181.mcf: -fast +FDO ONESTEP=yes shlw32M.lib
186.crafty: -fast -Oa +FDO ONESTEP=yes shlw32M.lib
197.parser: -fast +FDO ONESTEP=yes
252.eon: -QxP -O2 -Qipo +FDO* ONESTEP=yes
253.perlbmk: -fast -Oa +FDO ONESTEP=yes shlw32M.lib
254.gap: -fast +FDO ONESTEP=yes
255.vortex: basepeak=1
```



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Notes/Tuning Information (Continued)

256.bzip2: -fast -Oa -Qunroll1 +FDO ONESTEP=yes
300.twolf: basepeak=1
BIOS Configuration Notes
Hyper-Threading Technology disabled