



# CINT2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

## Hewlett-Packard Company

ProLiant ML110 G3 (3.0GHz, Intel Pentium D Processor 930)

SPECint\_rate2000 = 17.4

SPECint\_rate\_base2000 = 17.3

SPEC license #: 3 Tested by: Hewlett-Packard Company Test date: Feb-2006 Hardware Avail: Feb-2006 Software Avail: Oct-2005

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	1	137	11.8	1	137	11.8
175.vpr	1	139	11.7	1	135	12.0
176.gcc	1	61.5	20.8	1	61.5	20.8
181.mcf	1	95.7	21.8	1	94.5	22.1
186.crafty	1	89.9	12.9	1	90.2	12.9
197.parser	1	143	14.6	1	143	14.7
252.eon	1	68.6	22.0	1	68.5	22.0
253.perlbnk	1	100	20.8	1	99.0	21.1
254.gap	1	67.6	18.9	1	66.3	19.2
255.vortex	1	71.2	31.0	1	71.2	30.9
256.bzip2	1	131	13.3	1	131	13.3
300.twolf	1	198	17.6	1	198	17.6

### Hardware

CPU: Intel Pentium D Processor 930 (3.0GHz, 2x2MB L2, 800MHz bus)  
CPU MHz: 3000  
FPU: Integrated  
CPU(s) enabled: 1 core, 1 chip, 2 cores/chip  
CPU(s) orderable: 1  
Parallel: No  
Primary Cache: 12K micro-ops I + 16KBD (on chip) per core  
Secondary Cache: 2048KB(I+D) (on chip) per core  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 4x512MB PC2-4200  
Disk Subsystem: 1x80.0GB SATA  
Other Hardware:

### Software

Operating System: Windows Server 2003 Enterprise SP1  
Compiler: Intel C++ Compiler for 32-bit applications, (Version 9.0 Build 20051020Z)  
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: -fast +FDO ONESTEP=yes shlw32M.lib

Base tuning for C++ programs: -fast -Qcxx\_features +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: -fast +FDO ONESTEP=yes

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: -fast +FDO

253.perlbnk: -fast -Oa +FDO ONESTEP=yes shlw32M.lib

254.gap: -fast +FDO ONESTEP=yes

255.vortex: -fast +FDO ONESTEP=yes shlw32M.lib

Standard Performance Evaluation Corporation

info@spec.org

http://www.spec.org



# CINT2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

Hewlett-Packard Company  
ProLiant ML110 G3 (3.0GHz, Intel Pentium D Processor 930)

SPECint\_rate2000 = 17.4  
SPECint\_rate\_base2000 = 17.3

SPEC license #: 3 | Tested by: Hewlett-Packard Company | Test date: Feb-2006 | Hardware Avail: Feb-2006 | Software Avail: Oct-2005

## Notes/Tuning Information (Continued)

256.bzip2: -fast -Oa -Qunroll1 +FDO ONESTEP=yes shlw32M.lib  
300.twolf: -fast +FDO shlw32M.lib  
Other Configuration Notes  
/NUMPROC=1 flag was added to boot.ini to invoke the uniprocessor environment.