



CINT2000 Result

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Hewlett-Packard Company
ProLiant DL580 G3 (3.333GHz, Intel Xeon)

SPECint2000 = **1507**
SPECint_base2000 = **1497**

SPEC license #: 3 Tested by: Hewlett-Packard Company Test date: Jun-2005 Hardware Avail: Jun-2005 Software Avail: May-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	129	1086	130	1075	
175.vpr	1400	143	978	139	1007	
176.gcc	1100	62.7	1753	62.7	1753	
181.mcf	1800	119	1512	119	1515	
186.crafty	1000	80.2	1247	80.1	1249	
197.parser	1800	136	1319	136	1326	
252.eon	1300	63.1	2060	62.7	2075	
253.perlbmk	1800	95.1	1894	93.1	1933	
254.gap	1100	75.1	1464	74.6	1475	
255.vortex	1900	74.2	2562	73.9	2571	
256.bzip2	1500	132	1140	130	1151	
300.twolf	3000	183	1643	183	1642	

Hardware

CPU: Intel Xeon MP (3.333GHz, 1MB L2, 8MB L3, 667MHz bus)
CPU MHz: 3333
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)
CPU(s) orderable: 1,2,4
Parallel: No
Primary Cache: 12K micro-ops I + 16KBD on chip
Secondary Cache: 1024KB(I+D) on chip
L3 Cache: 8192KB
Other Cache: N/A
Memory: 16x2048MB DDR2-400
Disk Subsystem: 1x36.4GB 15K Ultra320 SCSI
Other Hardware:

Software

Operating System: Windows Server 2003 Enterprise (Build 3790)
Compiler: Intel C++ Compiler for 32-bit applications, Version 8.1 Build 20050524Z, 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

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

254.gap: -fast +FDO ONESTEP=yes

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

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Notes/Tuning Information (Continued)

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256.bzip2:          -fast -Oa -Qunroll11 +FDO  ONESTEP=yes shlw32M.lib
300.twolf:          -fast                               +FDO          shlw32M.lib
BIOS Configuration Notes
Hyper-Threading Technology disabled
```