



CINT2000 Result

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Hewlett-Packard Company
ProLiant BL20p G3 (3.6GHz, Intel Xeon)

SPECint2000 = 1703
SPECint_base2000 = 1698

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	1000 2000 3000 4000			
164.gzip	1400	116	1203	117	1197	[Bar chart showing ratio bars for 164.gzip]			
175.vpr	1400	121	1153	119	1180	[Bar chart showing ratio bars for 175.vpr]			
176.gcc	1100	54.8	2006	54.8	2006	[Bar chart showing ratio bars for 176.gcc]			
181.mcf	1800	95.1	1893	96.7	1862	[Bar chart showing ratio bars for 181.mcf]			
186.crafty	1000	75.1	1332	75.1	1331	[Bar chart showing ratio bars for 186.crafty]			
197.parser	1800	124	1452	124	1453	[Bar chart showing ratio bars for 197.parser]			
252.eon	1300	58.8	2210	58.4	2228	[Bar chart showing ratio bars for 252.eon]			
253.perlbmk	1800	86.2	2088	85.1	2116	[Bar chart showing ratio bars for 253.perlbmk]			
254.gap	1100	58.3	1888	58.0	1898	[Bar chart showing ratio bars for 254.gap]			
255.vortex	1900	65.7	2893	65.6	2897	[Bar chart showing ratio bars for 255.vortex]			
256.bzip2	1500	120	1252	119	1261	[Bar chart showing ratio bars for 256.bzip2]			
300.twolf	3000	167	1793	167	1793	[Bar chart showing ratio bars for 300.twolf]			

Hardware

CPU: Intel Xeon (3.6GHz, 2MB L2, 800MHz bus)
CPU MHz: 3600
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: 4x2048MB PC2-3200
Disk Subsystem: 1x36.4GB 15K Ultra320 SCSI
Other Hardware:

Software

Operating System: Windows Server 2003 Enterprise Edition SP1
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 -Qunroll1 +FDO  ONESTEP=yes  shlw32M.lib
300.twolf:  -fast                +FDO                shlw32M.lib
BIOS Configuration Notes
Hyper-Threading Technology disabled
```