



CINT2000 Result

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Hewlett-Packard Company
ProLiant DL740 (3.0GHz, Intel Xeon MP)

SPECint_rate2000 = NC
SPECint_rate_base2000 = NC

SPEC license #: 3 Tested by: Hewlett-Packard Company Test date: Mar-2004 Hardware Avail: Feb-2004 Software Avail: Sep-2003

SPEC has determined that this result was not in compliance with the SPEC CPU2000 run and reporting rules. Specifically, the result did not meet the requirement for 4 flags for baseline.

5	4	3	2	1	Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
.....	164.gzip	8	NC	NC	8	NC	NC
.....	175.vpr	8	NC	NC	8	NC	NC
.....	176.gcc	8	NC	NC	8	NC	NC
.....	181.mcf	8	NC	NC	8	NC	NC
.....	186.crafty	8	NC	NC	8	NC	NC
.....	197.parser	8	NC	NC	8	NC	NC
.....	252.eon	8	NC	NC	8	NC	NC
.....	253.perlbnk	8	NC	NC	8	NC	NC
.....	254.gap	8	NC	NC	8	NC	NC
.....	255.vortex	8	NC	NC	8	NC	NC
.....	256.bzip2	8	NC	NC	8	NC	NC
.....	300.twolf	8	NC	NC	8	NC	NC

Hardware

CPU: Intel Xeon MP (3.0GHz, 100MHz bus)
CPU MHz: 3000
FPU: Integrated
CPU(s) enabled: 8 cores, 8 chips, 1 core/chip
CPU(s) orderable: 1,2,4,8
Parallel: No
Primary Cache: 12K micro-ops I + 8KBD on chip
Secondary Cache: 512KB(I+D) on chip
L3 Cache: 4096KB(I+D) on chip
Other Cache: N/A
Memory: 8x1024MB 133MHz SDRAM
Disk Subsystem: 1x18.2GB 15K Ultra320 SCSI
Other Hardware:

Software

Operating System: Windows Server 2003 Enterprise (Build 3790)
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 -Oi- shlw32M.lib 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: -QxW -Oi- -Qipo -O3 +FDO ONESTEP=yes
 175.vpr: -QxW -Qipo -O3 +FDO ONESTEP=yes
 176.gcc: -QxW -Qipo -Oi- -O3 +FDO shlw32M.lib ONESTEP=yes
```



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Notes/Tuning Information (Continued)

```
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 -Oi- -O3 +FDO shlw32M.lib ONESTEP=yes
255.vortex: -QxW -Qipo -O3 +FDO shlw32M.lib ONESTEP=yes
256.bzip2: -Qunroll1 -Oa -Oi- -Qipo +FDO ONESTEP=yes
300.twolf: -QxW -Qipo -Oa -Oi- -O3 +FDO shlw32M.lib ONESTEP=yes
```

BIOS Configuration Notes
Hyper Threading disabled

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