



CFP2000 Result

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Hewlett-Packard Company
ProLiant BL460c (3.0GHz, Intel Xeon processor 5160)

SPECfp_rate2000 = **82.3**
SPECfp_rate_base2000 = **81.0**

SPEC license #: 3 | Tested by: Hewlett-Packard Company | Test date: Jun-2006 | Hardware Avail: Jun-2006 | Software Avail: May-2006

| Benchmark | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|--------------|-------------|--------------|------------|--------|---------|-------|
| 168.wupwise | 4 | 68.0 | 109 | 4 | 68.1 | 109 |
| 171.swim | 4 | 263 | 54.6 | 4 | 263 | 54.7 |
| 172.mgrid | 4 | 166 | 50.3 | 4 | 166 | 50.4 |
| 173.applu | 4 | 185 | 52.8 | 4 | 185 | 52.8 |
| 177.mesa | 4 | 50.7 | 128 | 4 | 50.4 | 129 |
| 178.galgel | 4 | 58.0 | 232 | 4 | 58.0 | 232 |
| 179.art | 4 | 58.8 | 205 | 4 | 58.8 | 205 |
| 183.quake | 4 | 84.8 | 71.1 | 4 | 84.9 | 71.1 |
| 187.facerec | 4 | 90.2 | 97.8 | 4 | 90.3 | 97.6 |
| 188.amp | 4 | 145 | 70.2 | 4 | 118 | 86.8 |
| 189.lucas | 4 | 171 | 54.3 | 4 | 170 | 54.6 |
| 191.fma3d | 4 | 163 | 59.6 | 4 | 163 | 59.6 |
| 200.sixtrack | 4 | 94.5 | 54.0 | 4 | 94.5 | 54.0 |
| 301.apsi | 4 | 191 | 63.3 | 4 | 191 | 63.3 |

Hardware

CPU: Intel Xeon processor 5160 (3.0GHz, 4MB L2 shared, 1333MHz bus)
CPU MHz: 3000
FPU: Integrated
CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip
CPU(s) orderable: 1,2 chips
Parallel: No
Primary Cache: 32KBI + 32KBD (on chip) per core
Secondary Cache: 4096KB(I+D) (on chip) shared
L3 Cache: N/A
Other Cache: N/A
Memory: 8x1024MB PC2-5300F
Disk Subsystem: 2x36GB 10K SAS
Other Hardware:

Software

Operating System: Windows Server 2003 Enterprise SP1
Compiler: Intel C++ Compiler for 32-bit applications, (Version 9.1 Build 20060323Z)
Intel Fortran Compiler for 32-bit applications, (Version 9.1 Build 20060323Z)
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 Fortran programs: -fast -Qansi_alias +FDO
Base tuning for C programs: -fast +FDO shlw32M.lib
Portability flags:
 178.galgel: -FI /F32000000
Peak tuning:
168.wupwise: -fast -Qansi_alias +FDO
171.swim: -fast +FDO ONESTEP=yes
172.mgrid: -fast -Qansi_alias +FDO
173.applu: basepeak=1
177.mesa: -fast +FDO ONESTEP=yes
178.galgel: basepeak=1
179.art: basepeak=1
183.quake: -fast -Oa -Qrcd +FDO ONESTEP=yes shlw32M.lib
187.facerec: -fast -Qunroll1 -Qscalar_rep- +FDO ONESTEP=yes
188.amp: -fast -Qansi_alias +FDO
189.lucas: -fast
```



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Notes/Tuning Information (Continued)

```
191.fma3d:    basepeak=1
200.sixtrack: -fast                +FDO
301.apsi:     basepeak=1
BIOS Configuration Notes
Power Regulator set to Static High Performance Mode
```