



# CINT2000 Result

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## Acer Incorporated

Acer Altos R520 (1.86 GHz Intel Xeon Processor E5320)

SPECint\_rate2000 = 147

SPECint\_rate\_base2000 = 146

SPEC license #: 97 Tested by: Acer Incorporated Test date: Nov-2006 Hardware Avail: Nov-2006 Software Avail: Mar-2006

| Benchmark   | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|-------------|-------------|--------------|------------|--------|---------|-------|
| 164.gzip    | 8           | 127          | 102        | 8      | 127     | 102   |
| 175.vpr     | 8           | 123          | 105        | 8      | 122     | 107   |
| 176.gcc     | 8           | 62.9         | 162        | 8      | 62.9    | 162   |
| 181.mcf     | 8           | 157          | 107        | 8      | 157     | 107   |
| 186.crafty  | 8           | 58.7         | 158        | 8      | 58.7    | 158   |
| 197.parser  | 8           | 132          | 127        | 8      | 131     | 127   |
| 252.eon     | 8           | 54.1         | 223        | 8      | 53.8    | 224   |
| 253.perlbnk | 8           | 83.6         | 200        | 8      | 84.0    | 199   |
| 254.gap     | 8           | 93.0         | 110        | 8      | 93.0    | 110   |
| 255.vortex  | 8           | 71.0         | 248        | 8      | 71.0    | 248   |
| 256.bzip2   | 8           | 127          | 110        | 8      | 126     | 111   |
| 300.twolf   | 8           | 143          | 195        | 8      | 143     | 195   |

### Hardware

CPU: Intel Xeon Processor E5320 (1.86 GHz, 8MB L2, 1066 MHz system bus)  
CPU MHz: 1866  
FPU: Integrated  
CPU(s) enabled: 8 cores, 2 chips, 4 cores/chip  
CPU(s) orderable: 1,2  
Parallel: No  
Primary Cache: 32KB(I) + 32KB(D) on chip, per core  
Secondary Cache: 8MB(I+D) on chip, per chip (4MB shared per 2 cores)  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 8 x 2048MB ECC FB-DIMM DDR2-667  
Disk Subsystem: 1 x 73GB 10KRPM SAS HDD  
Other Hardware:

### Software

Operating System: Microsoft Windows Server 2003 Enterprise Edition (Build 3790), Service Pack 1  
Compiler: Intel C++ Compiler 9.1 Build 20060323Z for IA32  
Microsoft Visual Studio .Net 2003 (7.1.3091, for libraries)  
shlw32M.lib is SmartHeap Library Version 7.4 from http://www.microquill.com/  
File System: NTFS  
System State: Default

## Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use
Base tuning for C programs: -fast +FDO shlw32M.lib
Base tuning for C++ programs: -fast -Qcxx_features +FDO shlw32M.lib
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: basepeak=yes
175.vpr: -fast -Qansi_alias +FDO
176.gcc: basepeak=yes
181.mcf: basepeak=yes
186.crafty: basepeak=yes
197.parser: -fast -Qansi_alias +FDO
252.eon: -fast +FDO
253.perlbnk: -fast -Qansi_alias +FDO shlw32M.lib
254.gap: basepeak=yes
255.vortex: basepeak=yes
256.bzip2: -fast -Oa -Qunroll1 +FDO
```



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## Notes/Tuning Information (Continued)

300.twolf: -fast +FDO shlw32M.lib

The Altos R720 and Altos R520 are electronically equivalent.