



CINT2000 Result

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Acer Incorporated
Altos R710 (3.6 GHz Intel Xeon)

SPECint2000 = 1556
SPECint_base2000 = 1548

SPEC license #: 97 Tested by: Acer Incorporated Test date: Mar-2005 Hardware Avail: Mar-2005 Software Avail: Mar-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	117	1201	118	1188	
175.vpr	1400	148	947	143	982	
176.gcc	1100	59.0	1865	59.0	1865	
181.mcf	1800	154	1166	154	1166	
186.crafty	1000	74.8	1338	75.0	1334	
197.parser	1800	134	1346	133	1352	
252.eon	1300	57.4	2264	57.2	2271	
253.perlbnk	1800	87.7	2052	87.1	2066	
254.gap	1100	57.7	1906	57.7	1906	
255.vortex	1900	70.9	2681	70.9	2681	
256.bzip2	1500	144	1042	141	1064	
300.twolf	3000	174	1723	173	1731	

Hardware

CPU: Intel Xeon (3.6 GHz, 1MB L2, 800MHz system 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: 12KB(I) micro-ops + 16KB(D) on chip
Secondary Cache: 1024KB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 6x512MB ECC DDR2-400 SDRAM
Disk Subsystem: 1 x 36GB 10000RPM U320 SCSI HDD
Other Hardware:

Software

Operating System: Windows2003 Enterprise Edition (Build 3790)
Compiler: Intel C++ Compiler 8.1 Build 20041019Z
Microsoft Visual Studio .Net 2003(7.1.3091, for libraries)
SmartHeap Library Version 7.4 from <http://www.microquill.com/>
File System: NTFS
System State: Default

Notes/Tuning Information

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+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
Portability flags:
176.gcc: -Dalloca=_alloca /F10000000
186.crafty: -DNT_i386
252.eon: Approved stdcpp src.alt used
253.perlbnk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO
Peak tuning:
164.gzip: -fast -Qansi_alias -Oa +FDO
175.vpr: -fast -Qansi_alias +FDO
176.gcc: basepeak=yes
181.mcf: basepeak=yes
186.crafty: -fast -Qansi_alias -Oa +FDO
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
```



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Notes/Tuning Information (Continued)

256.bzip2: -fast -Oa -Qunroll1 +FDO
300.twolf: -fast -O3 +FDO shlw32M.lib
Enable hardware prefetching and adjacent cache line prefetch BIOS setting
Product description located as of Apr-2005:
<http://www.acer.com>