SPEC® CINT2006 Result
Copyright 2006-2014 Standard Performance Evaluation Corporation

Acer Incorporated

Acer Altos R720 (Intel Xeon E5335)

SPECint®_rate2006 =   84.1

SPECint_rate_base2006 = 77.7

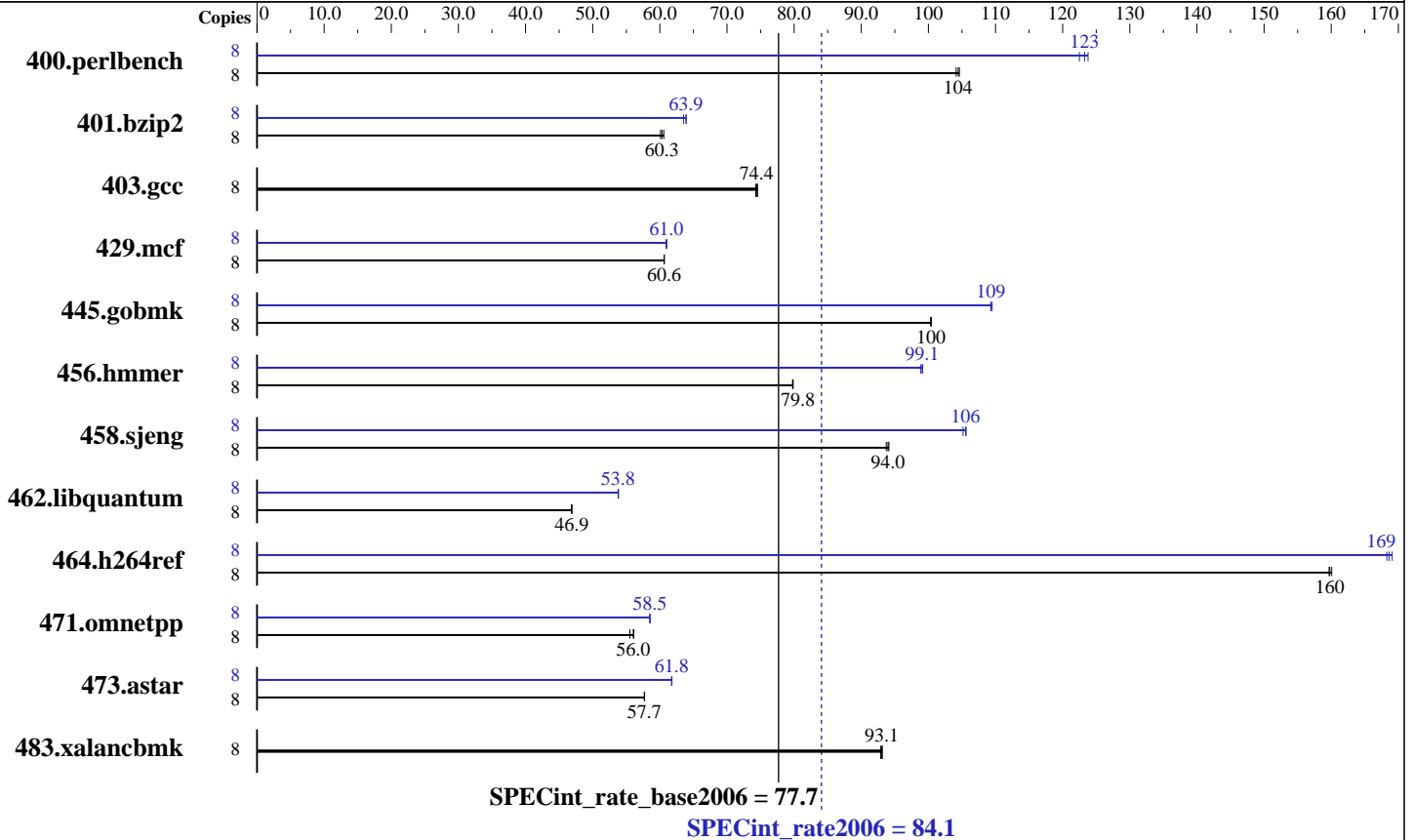**CPU2006 license:** 97

Test sponsor: Acer Incorporated

Tested by: Acer Incorporated

Test date: Jun-2007

Hardware Availability: Nov-2006

Software Availability: Jun-2007

SPECint_rate_base2006 = 77.7

SPECint_rate2006 = 84.1

Hardware

CPU Name: Intel Xeon E5335

CPU Characteristics: 1333MHz system bus

CPU MHz: 2000

FPU: Integrated

CPU(s) enabled: 8 cores, 2 chips, 4 cores/chip

CPU(s) orderable: 1, 2 chips

Primary Cache: 32 KB I + 32 KB D on chip per core

Secondary Cache: 8 MB I+D on chip per chip, 4 MB shared / 2 cores

L3 Cache: None

Other Cache: None

Memory: 16 GB (8 x 2048MB ECC FB-DIMM DDR2-667 CL5-5-5)

Disk Subsystem: 1 x 73GB 10000RPM SAS HDD

Other Hardware: None

Software

Operating System: SuSE Linux Enterprise Server 10 EM64T (kernel 2.6.16.21-0.8-smp)

Compiler: Intel C++ Compiler for Linux32 version 10.0 Build 20070426 Package ID: l_cc_p_10.0.023

Auto Parallel: No

File System: ReiserFS

System State: Default

Base Pointers: 32-bit

Peak Pointers: 32-bit

Other Software: None

SPEC CINT2006 Result
Copyright 2006-2014 Standard Performance Evaluation Corporation

Acer Incorporated

Acer Altos R720 (Intel Xeon E5335)

SPECint_rate2006 = 84.1

SPECint_rate_base2006 = 77.7

CPU2006 license: 97
Test sponsor: Acer Incorporated
Tested by: Acer Incorporated

Test date: Jun-2007
Hardware Availability: Nov-2006
Software Availability: Jun-2007

Results Table

Benchmark	Base						Peak						
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	8	751	104	747	105	**748**	**104**	8	631	124	638	122	**634**	**123**
401.bzip2	8	1274	60.6	1284	60.1	**1280**	**60.3**	8	1215	63.5	1208	63.9	**1208**	**63.9**
403.gcc	8	867	74.3	864	74.6	**865**	**74.4**	8	867	74.3	864	74.6	**865**	**74.4**
429.mcf	8	1203	60.6	**1203**	**60.6**	1203	60.7	8	1195	61.0	1197	60.9	**1197**	**61.0**
445.gobmk	8	836	100	**836**	**100**	836	100	8	766	110	768	109	**768**	**109**
456.hmmer	8	936	79.8	935	79.9	**935**	**79.8**	8	**754**	**99.1**	755	98.8	753	99.2
458.sjeng	8	1033	93.7	**1030**	**94.0**	1028	94.1	8	920	105	**917**	**106**	916	106
462.libquantum	8	**3536**	**46.9**	3537	46.9	3535	46.9	8	**3081**	**53.8**	3078	53.9	3082	53.8
464.h264ref	8	**1108**	**160**	1106	160	1109	160	8	**1050**	**169**	1047	169	1052	168
471.omnetpp	8	891	56.1	900	55.5	**892**	**56.0**	8	855	58.5	854	58.5	**855**	**58.5**
473.astar	8	974	57.7	973	57.7	**973**	**57.7**	8	910	61.7	909	61.8	**909**	**61.8**
483.xalancbmk	8	594	92.9	593	93.1	**593**	**93.1**	8	594	92.9	593	93.1	**593**	**93.1**

Results appear in the order in which they were run. Bold underlined text indicates a median measurement.

General Notes

```
   This result was measured on the Acer Altos R520
   The Altos R720 and Altos R520 are electronically equivalent.

   taskset was used to bind copies to cores
```

Base Compiler Invocation

C benchmarks:
```
     icc
```

C++ benchmarks:
```
     icpc
```

Base Portability Flags

```
     400.perlbench: -DSPEC_CPU_LINUX_IA32
    462.libquantum: -DSPEC_CPU_LINUX
    483.xalancbmk: -DSPEC_CPU_LINUX
```

Acer Incorporated

Acer Altos R720 (Intel Xeon E5335)

SPECint_rate2006 = 84.1

SPECint_rate_base2006 = 77.7

CPU2006 license: 97

Test sponsor: Acer Incorporated

Tested by: Acer Incorporated

Test date: Jun-2007

Hardware Availability: Nov-2006

Software Availability: Jun-2007

Base Optimization Flags

C benchmarks:
```
-fast
```

C++ benchmarks:
```
-xT -ipo -O3 -no-prec-div -Wl,-z,muldefs
-L/spec/cpu2006.1.0/lib -lsmartheap
```

Base Other Flags

C benchmarks:

```
403.gcc: -Dalloca=_alloca
```

Peak Compiler Invocation

C benchmarks (except as noted below):
```
icc
```

```
401.bzip2: /opt/intel/cce/10.0.023/bin/icc
           -L/opt/intel/cce/10.0.023/lib
           -I/opt/intel/cce/10.0.023/include
```

```
456.hmmer: /opt/intel/cce/10.0.023/bin/icc
           -L/opt/intel/cce/10.0.023/lib
           -I/opt/intel/cce/10.0.023/include
```

C++ benchmarks:
```
icpc
```

Peak Portability Flags

```
400.perlbench: -DSPEC_CPU_LINUX_IA32
   401.bzip2: -DSPEC_CPU_LP64
   456.hmmer: -DSPEC_CPU_LP64
462.libquantum: -DSPEC_CPU_LINUX
483.xalancbmk: -DSPEC_CPU_LINUX
```

Peak Optimization Flags

C benchmarks:

Continued on next page

SPEC CINT2006 Result
Copyright 2006-2014 Standard Performance Evaluation Corporation

Acer Incorporated

SPECint_rate2006 = 84.1

Acer Altos R720 (Intel Xeon E5335)

SPECint_rate_base2006 = 77.7

CPU2006 license: 97
Test sponsor: Acer Incorporated
Tested by: Acer Incorporated

Test date: Jun-2007
Hardware Availability: Nov-2006
Software Availability: Jun-2007

Peak Optimization Flags (Continued)

400.perlbench: `-prof-gen(pass 1) -prof-use(pass 2) -fast -ansi-alias -prefetch`

401.bzip2: `-prof-gen(pass 1) -prof-use(pass 2) -fast`

403.gcc: `basepeak = yes`

429.mcf: `-fast -prefetch`

445.gobmk: `-prof-gen(pass 1) -prof-use(pass 2) -xT -O2 -ipo -no-prec_div -ansi-alias`

456.hmmer: `-prof-gen(pass 1) -prof-use(pass 2) -fast -unroll2 -ansi-alias`

458.sjeng: `-prof-gen(pass 1) -prof-use(pass 2) -fast -unroll4`

462.libquantum: `-prof-gen(pass 1) -prof-use(pass 2) -fast -unroll4 -Ob0 -prefetch -opt-streaming-stores always`

464.h264ref: `Same as 456.hmmer`

C++ benchmarks:

471.omnetpp: `-prof-gen(pass 1) -prof-use(pass 2) -xT -O3 -ipo -no-prec_div -ansi-alias -Wl,-z,muldefs -L/spec/cpu2006.1.0/lib -lsmartheap`

473.astar: `Same as 471.omnetpp`

483.xalancbmk: `basepeak = yes`

Peak Other Flags

C benchmarks:

403.gcc: `-Dalloca=_alloca`

The flags file that was used to format this result can be browsed at
http://www.spec.org/cpu2006/flags/Intel-ic10-ia32-intel64-linux-flags.20090714.41.html

You can also download the XML flags source by saving the following link:
http://www.spec.org/cpu2006/flags/Intel-ic10-ia32-intel64-linux-flags.20090714.41.xml

SPEC CINT2006 Result
Copyright 2006-2014 Standard Performance Evaluation Corporation

Acer Incorporated

Acer Altos R720 (Intel Xeon E5335)

SPECint_rate2006 =   84.1

SPECint_rate_base2006 = 77.7

CPU2006 license: 97
Test sponsor: Acer Incorporated
Tested by: Acer Incorporated

Test date: Jun-2007
Hardware Availability: Nov-2006
Software Availability: Jun-2007

For questions about this result, please contact the tester.
For other inquiries, please contact webmaster@spec.org.

Tested with SPEC CPU2006 v1.0.
Report generated on Tue Jul 22 12:53:23 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 8 August 2007.