SPEC® CINT2006 Result

Hewlett-Packard Company

ProLiant BL460c
(2.83 GHz, Intel Xeon E5440)

SPECint®_rate2006 = Not Run

SPECint_rate_base2006 = 106

CPU2006 license: 3
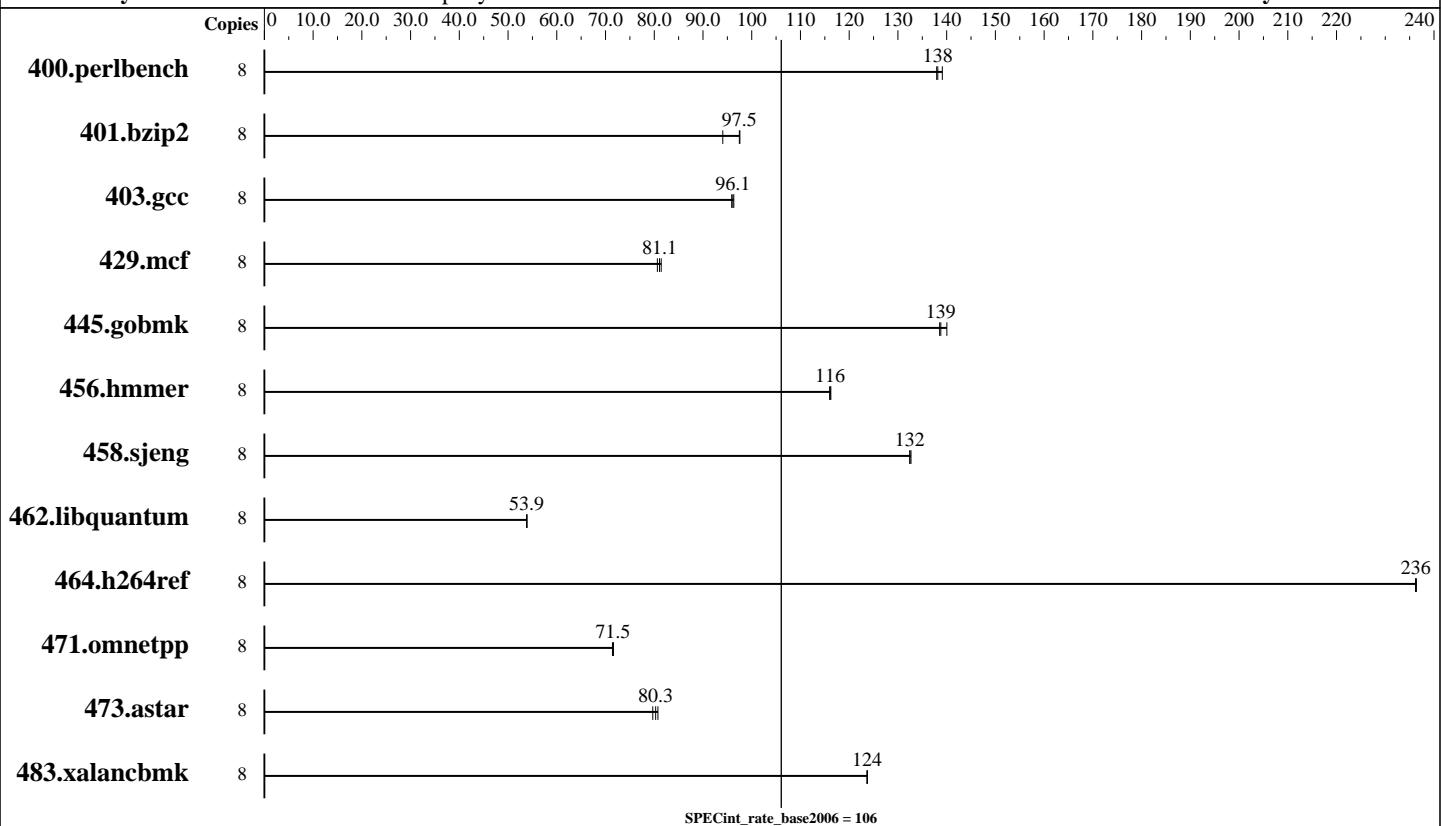**Test sponsor:** Hewlett-Packard Company
Tested by: Hewlett-Packard Company

Test date: Feb-2008
Hardware Availability: Nov-2007
Software Availability: Nov-2007

Copies	Benchmark	Result
8	400.perlbench	138
8	401.bzip2	97.5
8	403.gcc	96.1
8	429.mcf	81.1
8	445.gobmk	139
8	456.hmmer	116
8	458.sjeng	132
8	462.libquantum	53.9
8	464.h264ref	236
8	471.omnetpp	71.5
8	473.astar	80.3
8	483.xalancbmk	124

SPECint_rate_base2006 = 106

Hardware

CPU Name: Intel Xeon E5440
CPU Characteristics: 2.83 GHz, 2x6 MB L2 shared, 1333 MHz system bus
CPU MHz: 2833
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: 12 MB I+D on chip per chip, 6 MB shared / 2 cores
L3 Cache: None
Other Cache: None
Memory: 16 GB (8x2 GB PC2-5300F CL5)
Disk Subsystem: 1x72 GB 15 K SAS
Other Hardware: None

Software

Operating System: SUSE Linux Enterprise Server 10 (x86_64) SP1, Kernel 2.6.16.46-0.12-smp
Compiler: Intel C++ Compiler 10.1 for Linux Build 20070913 Package ID: l_cc_p_10.1.008
Auto Parallel: No
File System: ext2
System State: Run level 3 (multi-user)
Base Pointers: 32-bit
Peak Pointers: Not Applicable
Other Software: MicroQuill SmartHeap Library 8.1 binutils-2.17.50

SPEC CINT2006 Result
Copyright 2006-2014 Standard Performance Evaluation Corporation

Hewlett-Packard Company

ProLiant BL460c
(2.83 GHz, Intel Xeon E5440)

SPECint_rate2006 =   Not Run

SPECint_rate_base2006 =   106

CPU2006 license: 3
Test sponsor: Hewlett-Packard Company
Tested by: Hewlett-Packard Company

Test date: Feb-2008
Hardware Availability: Nov-2007
Software Availability: Nov-2007

Results Table

Benchmark	Copies	Base Seconds	Base Ratio	Base Seconds	Base Ratio	Base Seconds	Base Ratio	Copies	Peak Seconds	Peak Ratio	Peak Seconds	Peak Ratio	Peak Seconds	Peak Ratio
400.perlbench	8	562	139	**566**	**138**	567	138							
401.bzip2	8	**792**	**97.5**	821	94.1	791	97.6							
403.gcc	8	669	96.3	672	95.9	**670**	**96.1**							
429.mcf	8	896	81.4	905	80.6	**900**	**81.1**							
445.gobmk	8	599	140	**605**	**139**	606	139							
456.hmmer	8	642	116	644	116	**643**	**116**							
458.sjeng	8	**731**	**132**	731	132	730	133							
462.libquantum	8	3078	53.9	3079	53.8	**3078**	**53.9**							
464.h264ref	8	749	236	749	236	**749**	**236**							
471.omnetpp	8	698	71.6	**699**	**71.5**	700	71.4							
473.astar	8	695	80.8	705	79.7	**699**	**80.3**							
483.xalancbmk	8	**446**	**124**	446	124	446	124							

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

Operating System Notes

'ulimit -s unlimited' was used to set the stacksize to unlimited prior to run

Platform Notes

```
BIOS configuration:
  Power Regulator set to Static High Performance Mode
  Adjacent Sector Prefetch Disabled
  Hardware Prefetcher Disabled
```

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
```

Hewlett-Packard Company

ProLiant BL460c
(2.83 GHz, Intel Xeon E5440)

SPECint_rate2006 =   Not Run

SPECint_rate_base2006 =   106

CPU2006 license: 3
Test sponsor: Hewlett-Packard Company
Tested by: Hewlett-Packard Company

Test date: Feb-2008
Hardware Availability: Nov-2007
Software Availability: Nov-2007

Base Optimization Flags

C benchmarks:
```
-fast -inline-calloc -opt-malloc-options=3
```

C++ benchmarks:
```
-xT -ipo -O3 -no-prec-div -Wl,-z,muldefs
-L/cpu2006/SmartHeap_8.1/lib -lsmartheap
```

Base 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/HP-Intel-ic10.1-linux-int-flags.20090713.html

You can also download the XML flags source by saving the following link:
http://www.spec.org/cpu2006/flags/HP-Intel-ic10.1-linux-int-flags.20090713.xml

SPEC and SPECint are registered trademarks of the Standard Performance
Evaluation Corporation. All other brand and product names appearing in
this result are trademarks or registered trademarks of their respective
holders.

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 15:23:21 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 25 March 2008.