**Intel SR1600UR**

SPECompG_peak2012 = Not Run

SPECompG_base2012 = 2.68

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**Hardware**

- CPU Name: Intel Xeon X5670
- CPU Characteristics: Integrated
- CPU MHz: 2930
- FPU: Integrated
- Primary Cache: 32 KB I + 32 KB D on chip per core
- Secondary Cache: 256 KB I+D on chip per core
- L3 Cache: 12 MB I+D on chip per chip
- Other Cache: None
- Memory: 48 GB (6 x 8 GB 2Rx4 PC3-10600R-9, ECC)

**Software**

- Operating System: Red Hat Enterprise Linux Server release 6.1 (Santiago)
- Compiler: C/C++: Version 13.0.0.079 of Intel Composer XE for Linux Build 20120731
  Fortran: Version 13.0.0.079 of Intel Composer XE for Linux Build 20120731
- Auto Parallel: No
- File System: Linux ext3
- System State: Default
- Base Pointers: 64-bit
- Peak Pointers: Not Applicable

**Continued on next page**
## SPEC OMPG2012 Result

Intel SR1600UR

**SPECompG_peak2012 = Not Run**
**SPECompG_base2012 = 2.68**

**OMP2012 license:** 13  
**Test date:** Oct-2012  
**Test sponsor:** Intel  
**Hardware Availability:** Mar-2010  
**Tested by:** Intel  
**Software Availability:** Aug-2012  
**Base Threads Run:** 24  
**Minimum Peak Threads:** --  
**Maximum Peak Threads:** --

### Results Table

<table>
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<tr>
<th>Benchmark</th>
<th>Threads</th>
<th>Seconds</th>
<th>Ratio</th>
<th>Base Threads</th>
<th>Seconds</th>
<th>Ratio</th>
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</table>

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

### Platform Notes

Sysinfo program /panfs/panfs2/home2/aknyaze1/OMP2012/K21/Docs/sysinfo
$Rev: 395 $ $Date:: 2012-07-25 #$ 8f8c0fe9e19c658963a1e67685e50647

This section contains SUT (System Under Test) info as seen by some common utilities. To remove or add to this section, see: http://www.spec.org/omp2012/Docs/config.html#sysinfo

From /proc/cpuinfo
model name : Intel(R) Xeon(R) CPU X5670 @ 2.93GHz
  2 "physical id"s (chips)
  24 "processors"
cores, siblings (Caution: counting these is hw and system dependent. The following excerpts from /proc/cpuinfo might not be reliable. Use with caution.)
cpu cores : 6
siblings : 12
physical 0: cores 0 1 2 8 9 10
physical 1: cores 0 1 2 8 9 10
cache size : 12288 KB

Continued on next page
Intel SR1600UR

SPEC OMPG2012 Result

SPECompG_peak2012 = Not Run
SPECompG_base2012 = 2.68

OMP2012 license: 13
Test sponsor: Intel
Tested by: Intel

Platform Notes (Continued)

From /proc/meminfo
MemTotal: 49498196 kB
HugePages_Total: 0
Hugepagesize: 2048 kB

From /etc/*release* /etc/*version*
redhat-release: Red Hat Enterprise Linux Server release 6.1 (Santiago)
system-release: Red Hat Enterprise Linux Server release 6.1 (Santiago)

uname -a:
Linux en340 2.6.32-131.0.15.el6.x86_64.crt.1 #3 SMP Fri May 20 16:57:43 PDT 2011 x86_64 x86_64 x86_64 GNU/Linux
run-level 3 Oct 8 10:21

SPEC is set to: /panfs/panfs2/home2/aknyaze1/OMP2012/K21
Filesystem Type Size Used Avail Use% Mounted on
panfs://36.107.212.1/home2
panfs 14T 11T 3.4T 76% /panfs/panfs2/home2

Cannot run dmidecode; consider saying 'chmod +s /usr/sbin/dmidecode'

(End of data from sysinfo program)

General Notes

BIOS settings notes:
Intel Turbo Boost Technology (Turbo) : Disabled

General Notes and Environment variables
export KMP_LIBRARY=turnaround
export KMP_STACKSIZE=31M
export KMP_BLOCKTIME=infinite
export OMP_DYNAMIC=FALSE

gross:
export KMP_AFFINITY=compact,0

Base Compiler Invocation

C benchmarks:
icc

Continued on next page
Intel
SR1600UR

SPECompG_peak2012 = Not Run
SPECompG_base2012 = 2.68

Base Compiler Invocation (Continued)

C++ benchmarks:
   icpc

Fortran benchmarks:
   ifort

Base Portability Flags

350.md: -FR
357.bt331: -mcmode=medium
363.swim: -mcmode=medium
367.imagick: -std=c99

Base Optimization Flags

C benchmarks:
   -O3 -xSSE4.2 -ipo -openmp -ansi-alias

C++ benchmarks:
   -O3 -xSSE4.2 -ipo -openmp

Fortran benchmarks:
   -O3 -xSSE4.2 -ipo -openmp

The flags file that was used to format this result can be browsed at
http://www.spec.org/omp2012/flags/Intel-ic13.0-linux64.20121016.html

You can also download the XML flags source by saving the following link:
http://www.spec.org/omp2012/flags/Intel-ic13.0-linux64.20121016.xml

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

Tested with SPEC OMP2012 v21.
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