Supermicro (Test Sponsor: HZDR)

Supermicro H8QGi+-F

OMPG2012 Result

SPECompG_peak2012 = Not Run
SPECompG_base2012 = 3.24

OMP2012 license:65A
Test sponsor: HZDR
Tested by: HZDR

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</table>

SPECompG_base2012 = 3.24

Hardware

CPU Name: AMD Opteron 6276
CPU Characteristics: AMD Turbo CORE technology up to 3.20 GHz
CPU MHz: 2300
CPU MHz Maximum: 3200
CPU: Integrated
CPU(s) enabled: 64 cores, 4 chips, 16 cores/chip
CPU(s) orderable: 2,4 chips
Primary Cache: 512 KB I on chip per chip,
64 KB I shared / 2 cores;
16 KB D on chip per core
Secondary Cache: 16 MB I+D on chip per chip, 2 MB shared / 2 cores
L3 Cache: 16 MB I+D on chip per core, 8 MB shared / 8 cores
Other Cache: None
Memory: 256 GB (32 x 8 GB 2Rx4 PC3-10600R-9, ECC)
Disk Subsystem: 500 GB (1 x 500 GB SATA 7200rpm)

Software

Operating System: Ubuntu 14.04 LTS
Compiler: C/C++/Fortran: Version 17.0.2.174 of the Intel Compilers
Build 20170213
Auto Parallel: No
File System: ext3
System State: run-level 5
Base Pointers: 64-bit
Peak Pointers: Not Applicable
Other Software: None

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Supermicro
(Test Sponsor: HZDR)
Supermicro H8QGi+-F

SPECompG_peak2012 = Not Run
SPECompG_base2012 = 3.24

OMP2012 license: 65A
Test sponsor: HZDR
Tested by: HZDR
Base Threads Run: 32
Minimum Peak Threads: --
Maximum Peak Threads: --

Results Table

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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 /tmp/spec/1.1/Docs/sysinfo
Revision 563 of 2016-06-10 (097295389cf6073d8c3b03fa376740a5)
running on laser082 Thu Aug 3 13:00:44 2017

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 : AMD Opteron(TM) Processor 6276
 4 "physical id"s (chips)
64 "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 : 8
siblings : 16
physical 0: cores 0 1 2 3 4 5 6 7
physical 1: cores 0 1 2 3 4 5 6 7
physical 2: cores 0 1 2 3 4 5 6 7
physical 3: cores 0 1 2 3 4 5 6 7

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Supermicro
(Test Sponsor: HZDR)

Supermicro H8QGi+-F

SPECompG_peak2012 = Not Run
SPECompG_base2012 = 3.24

OMP2012 license: 65A
Test sponsor: HZDR
Tested by: HZDR

Platform Notes (Continued)

cache size : 2048 KB
From /proc/meminfo
   MemTotal: 264017344 kB
   HugePages_Total: 0
   Hugepagesize: 2048 kB

/usr/bin/lsb_release -d
Ubuntu 14.04.5 LTS

From /etc/*release* /etc/*version*
debian_version: jessie/sid
os-release:
   NAME="Ubuntu"
   VERSION="14.04.5 LTS, Trusty Tahr"
   ID=ubuntu
   ID_LIKE=debian
   PRETTY_NAME="Ubuntu 14.04.5 LTS"
   VERSION_ID="14.04"
   HOME_URL="http://www.ubuntu.com/"
   SUPPORT_URL="http://help.ubuntu.com/"
   rh-release: Red Hat Enterprise Linux Server release 7.2 (Maipo)

uname -a:
   Linux laser082 4.4.0-38-generic #57~14.04.1-Ubuntu SMP Tue Sep 6 17:20:43 UTC 2016 x86_64 x86_64 x86_64 GNU/Linux

run-level 5 Apr 5 08:55

SPEC is set to: /tmp/spec/1.1
   Filesystem     Type  Size  Used Avail Use% Mounted on
   /dev/sda1      ext3   37G  8.2G  27G  24% /

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

(End of data from sysinfo program)

General Notes

Environment:
   KMP_LIBRARY=turnaround
   KMP_BLOCKTIME=infinite
   KMP_STACKSIZE=190M
   OMP_DYNAMIC=FALSE
   OMP_NESTED=FALSE
Supermicro H8QGi+-F
(Test Sponsor: HZDR)

SPECompG_peak2012 = Not Run
SPECompG_base2012 = 3.24

OMP2012 license: 65A
Test date: Aug-2017
Test sponsor: HZDR
Hardware Availability: Nov-2011
Tested by: HZDR
Software Availability: Feb-2017

Base Compiler Invocation

C benchmarks:
  icc
C++ benchmarks:
  icpc
Fortran benchmarks:
  ifort

Base Portability Flags

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

Base Optimization Flags

C benchmarks:
  -O2 -openmp -ipo -ansi-alias
C++ benchmarks:
  -O2 -openmp -ipo -ansi-alias
Fortran benchmarks:
  -O2 -openmp -ipo -align array64byte

The flags file that was used to format this result can be browsed at
http://www.spec.org/omp2012/flags/Intel-17.2-linux_flags.html

You can also download the XML flags source by saving the following link:
http://www.spec.org/omp2012/flags/Intel-17.2-linux_flags.xml

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

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