

**CPU-Z**

CPU Caches Mainboard Memory SPD Graphics Bench About

Processor

Name Intel Core i7 5820K

Code Name Haswell-E/EP Max TDP 140.0 W

Package Socket 2011 LGA

Technology 22 nm Core Voltage 1.066 V

Specification Intel(R) Core(TM) i7-5820K CPU @ 3.30GHz

Family 6 Model F Stepping 2

Ext. Family 6 Ext. Model 3F Revision M0

Instructions MMX, SSE, SSE2, SSE3, SSSE3, SSE4.1, SSE4.2, EM64T, VT-x, AES, AVX, AVX2, FMA3

Clocks (Core #0)

Core Speed 3999.07 MHz

Multiplier x 40.0 ( 12 - 34 )

Bus Speed 99.98 MHz

Rated FSB

Cache

L1 Data 6 x 32 KBytes 8-way

L1 Inst. 6 x 32 KBytes 8-way

Level 2 6 x 256 KBytes 8-way

Level 3 15 MBytes 20-way

Selection Processor #1 Cores 6 Threads 12

**CPU-Z** Ver. 1.76.0.x64 Tools Validate Close

**Core Temp 1.0 RC9**

File Options Tools Help

Select CPU: Processor #0 6 Core(s) 12 Thread(s)

Processor Information [Check for Intel Driver Updates](#)

Model: Intel Core i7 5820K (Haswell-EP)

Platform: LGA 2011-V3 (Socket R)

Frequency: 3999.64MHz (99.99 x 40.0)

VID: 1.0895 v Modulation:

Revision: R2 Lithography: 22 nm

CPUID: 0x306F2 TDP: 140.0 watts

Processor #0: Temperature Readings

	Tj. Max:	Power:	Min.	Max.	Load
Core #0:	105°C	109.9 watts	31°C	61°C	100%
Core #1:	58°C		31°C	61°C	100%
Core #2:	60°C		31°C	64°C	100%
Core #3:	61°C		31°C	61°C	100%

**Prime95**

Test Edit Advanced Options Window Help

24 Main thread

[Main thread Jun 30 22:09] Optimizing for CPU architecture: Unknown Intel, L2 cache size: 256 KB, L3 cache size: 15 MB

[Main thread Jun 30 22:09] Unable to detect some of the hyperthreaded logical CPUs.

24 Worker #1 - Self-Test

[Jun 30 22:29] Test 4, 800000 Lucas-Lehmer iterations of M157695 using FFT length 8K.

[Jun 30 22:30] Test 5, 800000 Lucas-Lehmer iterations of M155649 using FFT length 8K.

24 Worker #2 - Self-Test

[Jun 30 22:28] Test 4, 800000 Lucas-Lehmer iterations of M157695 using FFT length 8K.

[Jun 30 22:30] Test 5, 800000 Lucas-Lehmer iterations of M155649 using FFT length 8K.

24 Worker #3 - Self-Test

[Jun 30 22:28] Test 4, 800000 Lucas-Lehmer iterations of M157695 using FFT length 8K.

[Jun 30 22:29] Test 5, 800000 Lucas-Lehmer iterations of M155649 using FFT length 8K.

24 Worker #4 - Self-Test

[Jun 30 22:28] Test 4, 800000 Lucas-Lehmer iterations of M157695 using FFT length 8K.

[Jun 30 22:30] Test 5, 800000 Lucas-Lehmer iterations of M155649 using FFT length 8K.

24 Worker #5 - Self-Test

[Jun 30 22:29] Test 4, 800000 Lucas-Lehmer iterations of M157695 using FFT length 8K.

[Jun 30 22:30] Test 5, 800000 Lucas-Lehmer iterations of M155649 using FFT length 8K.

24 Worker #6 - Self-Test

[Jun 30 22:28] Test 4, 800000 Lucas-Lehmer iterations of M157695 using FFT length 8K.

[Jun 30 22:29] Test 5, 800000 Lucas-Lehmer iterations of M155649 using FFT length 8K.

24 Worker #7 - Self-Test

[Jun 30 22:28] Test 4, 800000 Lucas-Lehmer iterations of M157695 using FFT length 8K.

[Jun 30 22:29] Test 5, 800000 Lucas-Lehmer iterations of M155649 using FFT length 8K.

24 Worker #8 - Self-Test

[Jun 30 22:28] Test 4, 800000 Lucas-Lehmer iterations of M157695 using FFT length 8K.

[Jun 30 22:30] Test 5, 800000 Lucas-Lehmer iterations of M155649 using FFT length 8K.

For Help, press F1