

CPU-Z

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Processor

Name: Intel Core i7 4770

Code Name: Haswell Max TDP: 84.0 W

Package: Socket 1150 LGA

Technology: 22 nm Core Voltage: 1.012 V

Specification: Intel(R) Core(TM) i7-4770 CPU @ 3.40GHz

Family: 6 Model: C Stepping: 3

Ext. Family: 6 Ext. Model: 3C Revision: C0

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

Clocks (Core #0)

Core Speed: 3391.91 MHz

Multiplier: x 34.0 (8 - 39)

Bus Speed: 99.76 MHz

Rated FSB:

Cache

L1 Data: 4 x 32 KBytes 8-way

L1 Inst.: 4 x 32 KBytes 8-way

Level 2: 4 x 256 KBytes 8-way

Level 3: 8 MBytes 16-way

Selection: Processor #1 Cores: 4 Threads: 8

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L1 D-Cache

Size: 32 KBytes x 4

Descriptor: 8-way set associative, 64-byte line size

L1 I-Cache

Size: 32 KBytes x 4

Descriptor: 8-way set associative, 64-byte line size

L2 Cache

Size: 256 KBytes x 4

Descriptor: 8-way set associative, 64-byte line size

L3 Cache

Size: 8 MBytes

Descriptor: 16-way set associative, 64-byte line size

Size: Descriptor: Speed:

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Motherboard

Manufacturer: Gigabyte Technology Co. Ltd.

Model: H87N-WIFI x.x

Chipset: Intel Haswell Rev. 06

Southbridge: Intel H87 Rev. C2

LPCIO: ITE IT8728

BIOS

Brand: American Megatrends Inc.

Version: F4

Date: 08/03/2013

Graphic Interface

Version: PCI-Express

Link Width: x16 Max. Supported: x16

Side Band Addressing:

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General

Type: DDR3 Channel #: Dual

Size: 8 GBytes

DC Mode:

NB Frequency: 3391.9 MHz

Timings

DRAM Frequency: 798.1 MHz

FSB:DRAM: 1:6

CAS# Latency (CL): 9.0 clocks

RAS# to CAS# Delay (tRCD): 9 clocks

RAS# Precharge (tRP): 9 clocks

Cycle Time (tRAS): 24 clocks

Row Refresh Cycle Time (tRFC): 243 clocks

Command Rate (CR): 2T

DRAM Idle Timer:

Total CAS# (tRDRAM):

Row To Column (tRCD):

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Memory Slot Selection

Slot #1 | DDR3

Module Size	4096 MBytes	Correction	
Max Bandwidth	PC3-12800 (800 MHz)	Registered	
Manufacturer	Corsair	Buffered	
Part Number	CM3B4G1C1600L9	SPD Ext.	XMP 1.3
Serial Number		Week/Year	

Timings Table

	JEDEC #3	JEDEC #4	JEDEC #5	XMP-1600
Frequency	609 MHz	761 MHz	800 MHz	800 MHz
CAS# Latency	8.0	10.0	11.0	9.0
RAS# to CAS#	8	10	11	9
RAS# Precharge	8	10	11	9
tRAS	23	29	30	24
tRC	30	37	39	33
Command Rate				2T
Voltage	1.50 V	1.50 V	1.50 V	1.500 V

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Memory Slot Selection

Slot #3 | DDR3

Module Size	4096 MBytes	Correction	
Max Bandwidth	PC3-12800 (800 MHz)	Registered	
Manufacturer	Corsair	Buffered	
Part Number	CM3B4G1C1600L9	SPD Ext.	XMP 1.3
Serial Number		Week/Year	

Timings Table

	JEDEC #3	JEDEC #4	JEDEC #5	XMP-1600
Frequency	609 MHz	761 MHz	800 MHz	800 MHz
CAS# Latency	8.0	10.0	11.0	9.0
RAS# to CAS#	8	10	11	9
RAS# Precharge	8	10	11	9
tRAS	23	29	30	24
tRC	30	37	39	33
Command Rate				2T
Voltage	1.50 V	1.50 V	1.50 V	1.500 V

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Display Device Selection

NVIDIA GeForce GTX 770 | Perf Level | Perf Level 0

GPU

Name	NVIDIA GeForce GTX 770	
Board Manuf.	Palit Microsystems	
Code Name	GK104	
Technology	28 nm	

Clocks

Core	135 MHz
Shader	
Memory	324 MHz

Memory

Size	2048 MBytes
Type	GDDR5
Bus Width	

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