

CPU-Z

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Processor

Name: Intel Core i7 6700HQ
Code Name: Skylake
Package: Socket 1440 FCBGA
Technology: 14 nm
Core VID: 1.064 V

Specification

Intel® Core™ i7-6700HQ CPU @ 2.60GHz

Family: 6
Model: E
Stepping: 3
Ext. Family: 6
Ext. Model: SE
Revision: R0

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

Clocks (Core #0)

Core Speed: 3093.18 MHz
Multiplier: x 31.0 (8 - 35)
Bus Speed: 99.78 MHz
Rated FSB:

Cache

L1 Data: 4 x 32 KBytes
L1 Inst.: 4 x 32 KBytes
Level 2: 4 x 256 KBytes
Level 3: 6 MBytes

Selection: Socket #1
Cores: 4
Threads: 8

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Caches

L1D-Cache
Size: 32 KBytes x 4
Descriptor: 8-way set associative, 64-byte line size

L1I-Cache
Size: 32 KBytes x 4
Descriptor: 8-way set associative, 64-byte line size

L2 Cache
Size: 256 KBytes x 4
Descriptor: 4-way set associative, 64-byte line size

L3 Cache
Size: 6 MBytes
Descriptor: 12-way set associative, 64-byte line size

Size:
Descriptor:
Speed:

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Mainboard

Manufacturer: Micro-Star International Co. Ltd.
Model: MS-16J5
Chipset: Intel Skylake-H
Southbridge: Intel Skylake-H PCH
LPCIO:

BIOS

Brand: American Megatrends Inc.
Version: E16J5IMS.114
Date: 04/29/2016

Graphic Interface

Version: PCI-Express
Link Width: Max. Supported
Side Band Addressing:

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Memory

General

Type: DDR4
Size: 8 GBytes
Channel #: Single
DC Mode:
NB Frequency: 3091.7 MHz

Timings

DRAM Frequency: 1197.7 MHz
FSB:DRAM: 1:18
CAS# Latency (CL): 17.0 clocks
RAS# to CAS# Delay (tRCD): 17 clocks
RAS# Precharge (tRP): 17 clocks
Cycle Time (tRAS): 39 clocks
Row Refresh Cycle Time (tRFC): 421 clocks
Command Rate (CR): 2T
DRAM Idle Timer:
Total CAS# (tRDRAM):
Row To Column (tRCD):

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SPD

Memory Slot Selection

Slot #1: DDR4
Module Size: 8 GBytes
Max Bandwidth: DDR4-2400 (1200 MHz)
Module Manuf.: Kingston
DRAM Manuf.: Micron Technology
Part Number: MSI24D4S7S8MB-8
Serial Number: 600FA7F0

Timings Table

	JEDEC #9	JEDEC #10	JEDEC #11	JEDEC #12
Frequency	1200 MHz	1200 MHz	1200 MHz	1200 MHz
CAS# Latency	18.0	19.0	20.0	21.0
RAS# to CAS#	17	17	17	17
RAS# Precharge	17	17	17	17
tRAS	39	39	39	39
tRC	55	55	55	55
Command Rate				
Voltage	1.20 V	1.20 V	1.20 V	1.20 V

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Graphics

Display Device Selection

NVIDIA GeForce GTX 960M
Perf Level: Perf Level 0

GPU

Name: NVIDIA GeForce GTX 960M
Board Manuf.: Micro-Star International Co., Ltd. (MSI)
Code Name: GM107
Technology: 28 nm
Revision: A2

Clocks

Core: 135 MHz
Shader:
Memory: 405 MHz

Memory

Size: 2 GBytes
Type: GDDR5
Vendor: Samsung
Bus Width:

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