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Processor

Name	Intel Core i7 930				
Code Name	Bloomfield	Max TDP	130 W		
Package	Socket 1366 LGA				
Technology	45 nm	Core Voltage	0.928 V		
Specification	Intel(R) Core(TM) i7 CPU 930 @ 2.80GHz				
Family	6	Model	A	Stepping	5
Ext. Family	6	Ext. Model	1A	Revision	D0
Instructions	MMX, SSE, SSE2, SSE3, SSSE3, SSE4.1, SSE4.2, EM64T, VT-x				

Clocks (Core #0)

Core Speed	1619.29 MHz
Multiplier	x 12.0
Bus Speed	134.94 MHz
QPI Link	2428.94 MHz

Cache

L1 Data	4 x 32 KBytes	8-way
L1 Inst.	4 x 32 KBytes	4-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 4-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

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Motherboard

Manufacturer Gigabyte Technology Co., Ltd.

Model X58A-UD5 x.x

Chipset Intel X58 Rev. 13

Southbridge Intel 82801JR (ICH10R) Rev. 00

LPCIO ITE IT8720

BIOS

Brand Award Software International, Inc.

Version FA

Date 04/20/2010

Graphic Interface

Version PCI-Express

Link Width x16 Max. Supported x16

Side Band

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General

Type

DDR3

Channels #

Triple

Size

6144 MBytes

DC Mode

NB Frequency

2159.0 MHz

Timings

DRAM Frequency

539.7 MHz

FSB:DRAM

2:8

CAS# Latency (CL)

8.0 clocks

RAS# to CAS# Delay (tRCD)

8 clocks

RAS# Precharge (tRP)

8 clocks

Cycle Time (tRAS)

20 clocks

Row Refresh Cycle Time (tRFC)

60 clocks

Command Rate (CR)

1T

DRAM Idle Timer

Total CAS# (tRDRAM)

Row To Column (tRCD)

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Memory Slot Selection

Slot #1

DDR3

Module Size

2048 MBytes

Correction

Max Bandwidth

PC3-10700H (667 MHz)

Registered

Manufacturer

Corsair

Buffered

Part Number

CM3X2G1600C8D

SPD Ext.

XMP 1.2

Serial Number

Week/Year

Timings Table

	JEDEC #1	JEDEC #2	JEDEC #3	XMP-1600
Frequency	444 MHz	592 MHz	666 MHz	800 MHz
CAS# Latency	6.0	8.0	9.0	8.0
RAS# to CAS#	6	8	9	8
RAS# Precharge	6	8	9	8
tRAS	16	22	24	24
tRC	23	30	34	41
Command Rate				2T
Voltage	1.50 V	1.50 V	1.50 V	1.650 V

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Memory Slot Selection

Slot #3

DDR3

Module Size

2048 MBytes

Correction

Max Bandwidth

PC3-10700H (667 MHz)

Registered

Manufacturer

Corsair

Buffered

Part Number

CM3X2G1600C8D

SPD Ext.

XMP 1.2

Serial Number

Week/Year

Timings Table

	JEDEC #1	JEDEC #2	JEDEC #3	XMP-1600
Frequency	444 MHz	592 MHz	666 MHz	800 MHz
CAS# Latency	6.0	8.0	9.0	8.0
RAS# to CAS#	6	8	9	8
RAS# Precharge	6	8	9	8
tRAS	16	22	24	24
tRC	23	30	34	41
Command Rate				2T
Voltage	1.50 V	1.50 V	1.50 V	1.650 V

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Memory Slot Selection

Slot #5

DDR3

Module Size

2048 MBytes

Correction

Max Bandwidth

PC3-10700H (667 MHz)

Registered

Manufacturer

Corsair

Buffered

Part Number

CM3X2G1600C8D

SPD Ext.

XMP 1.2

Serial Number

Week/Year

Timings Table

	JEDEC #1	JEDEC #2	JEDEC #3	XMP-1600
Frequency	444 MHz	592 MHz	666 MHz	800 MHz
CAS# Latency	6.0	8.0	9.0	8.0
RAS# to CAS#	6	8	9	8
RAS# Precharge	6	8	9	8
tRAS	16	22	24	24
tRC	23	30	34	41
Command Rate				2T
Voltage	1.50 V	1.50 V	1.50 V	1.650 V

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Display Device Selection

Radeon HD 5850

Perf Level Perf Level 0

GPU

Name Radeon HD 5850

Code Name RV870

Revision

Technology 40 nm



Clocks

Core 156 MHz

Shaders

Memory 300 MHz

Memory

Size 1024 MBytes

Type

GDDR5

Bus Width