

**CPU-Z****Binaries**

CPU-Z version 1.63.0

Processors

Number of processors 1

Number of threads 4

APICs

Processor 0

-- Core 0

-- Thread 0 0

-- Thread 1 1

-- Core 2

-- Thread 0 4

-- Thread 1 5

Timers

ACPI timer 3.580 MHz

HPET timer 14.318 MHz

Perf timer 2.857 MHz

Sys timer 1.000 KHz

Processors Information

Processor 1 ID = 0

Number of cores 2 (max 8)

Number of threads 4 (max 16)

Name Intel Core i3 530

Codename Clarkdale

Specification Intel(R) Core(TM) i3 CPU 530 @ 2.93GHz

Package (platform ID) Socket 1156 LGA (0x1)

CPUID 6.5.2

Extended CPUID 6.25

Core Stepping C2

Technology 32 nm

TDP Limit 73 Watts

Core Speed 1197.1 MHz

Multiplier x FSB 9.0 x 133.0 MHz

Rated Bus speed 2926.3 MHz

Stock frequency	2933 MHz
Instructions sets	MMX, SSE, SSE2, SSE3, SSSE3, SSE4.1, SSE4.2, EM64T, VT-x
L1 Data cache	2 x 32 KBytes, 8-way set associative, 64-byte line size
L1 Instruction cache	2 x 32 KBytes, 4-way set associative, 64-byte line size
L2 cache	2 x 256 KBytes, 8-way set associative, 64-byte line size
L3 cache	4 MBytes, 16-way set associative, 64-byte line size
FID/VID Control	yes

Turbo Mode	not supported
Max turbo frequency	2933 MHz
Max non-turbo ratio	22x
Max turbo ratio	22x
Max efficiency ratio	9x
TDC Limit	53 Amps
Core TDP	53 Watts
Uncore TDP	20 Watts
Power @ 9x	23 Watts
Power @ 10x	24 Watts
Power @ 11x	26 Watts
Power @ 12x	28 Watts
Power @ 13x	30 Watts
Power @ 14x	33 Watts
Power @ 15x	36 Watts
Power @ 16x	40 Watts
Power @ 17x	44 Watts
Power @ 18x	49 Watts
Power @ 19x	54 Watts
Power @ 20x	59 Watts
Power @ 21x	66 Watts
Power @ 22x	73 Watts
Max bus number	255
Attached device	PCI device at bus 255, device 2, function 1

Chipset

Northbridge	Intel Havendale/Clarkdale Host Bridge rev. 12
Southbridge	Intel H55 rev. 06
Graphic Interface	PCI-Express
PCI-E Link Width	x16

PCI-E Max Link Width	x16
Memory Type	DDR3
Memory Size	4096 MBytes
Channels	Dual, (Symmetric)
Memory Frequency	665.1 MHz (4:20)
CAS# latency (CL)	9.0
RAS# to CAS# delay (tRCD)	9
RAS# Precharge (tRP)	9
Cycle Time (tRAS)	24
Row Refresh Cycle Time (tRFC)	108
Command Rate (CR)	1T
Uncore Frequency	2128.2 MHz

Memory SPD

DIMM #	1
SMBus address	0x50
Memory type	DDR3
Module format	UDIMM
Manufacturer (ID)	Kingmax Semiconductor (7F7F7F2500000000)
Size	2048 MBytes
Max bandwidth	PC3-10700H (667 MHz)
Part number	FLFE85F-C8KM9
Number of banks	8
Nominal Voltage	1.50 Volts
EPP	no
XMP	no
AMP	no
JEDEC timings table	CL-tRCD-tRP-tRAS-tRC @ frequency
JEDEC #1	6.0-6-6-16-22 @ 444 MHz
JEDEC #2	7.0-7-7-19-26 @ 518 MHz
JEDEC #3	8.0-8-8-22-30 @ 592 MHz
JEDEC #4	9.0-9-9-24-33 @ 666 MHz

DIMM #	2
SMBus address	0x52
Memory type	DDR3
Module format	UDIMM
Manufacturer (ID)	Kingmax Semiconductor (7F7F7F2500000000)
Size	2048 MBytes
Max bandwidth	PC3-10700H (667 MHz)
Part number	FLFE85F-C8KM9
Number of banks	8
Nominal Voltage	1.50 Volts
EPP	no

XMP	no
AMP	no
JEDEC timings table	CL-tRCD-tRP-tRAS-tRC @ frequency
JEDEC #1	6.0-6-6-16-22 @ 444 MHz
JEDEC #2	7.0-7-7-19-26 @ 518 MHz
JEDEC #3	8.0-8-8-22-30 @ 592 MHz
JEDEC #4	9.0-9-9-24-33 @ 666 MHz

Monitoring

Mainboard Model	IPMIP-GS (0x00000246 - 0x00C9EC74)
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LPCIO

LPCIO Vendor	Winbond
LPCIO Model	W83667HG-A
LPCIO Vendor ID	0x5CA3
LPCIO Chip ID	0xB3
LPCIO Revision ID	0x53

Hardware Monitors

Hardware monitor	Winbond W83667HG
Voltage 0	0.94 Volts [0x76] (CPU VCORE)
Voltage 1	0.93 Volts [0x74] (VIN1)
Voltage 2	3.41 Volts [0xD5] (+3.3V)
Voltage 3	5.09 Volts [0xD4] (+5V)
Voltage 4	9.53 Volts [0xAB] (+12V)
Voltage 6	1.24 Volts [0x9B] (VIN6)
Temperature 0	31°C (87°F) [0x1F] (SYSTIN)
Temperature 1	31°C (87°F) [0x3E] (CPUTIN)
Temperature 2	38°C (100°F) [0x4C] (AUXTIN)
Fan 0	771 RPM [0xDB] (SYSFANIN)
Fan 1	1223 RPM [0x8A] (CPUFANIN0)

Hardware monitor	HECI version 6.0.0.49B
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Hardware monitor	NVIDIA NVAPI
Temperature 0	66°C (150°F) [0x42] (TMPIN0)

PCI Devices

Description	Host Bridge
Location	bus 0 (0x00), device 0 (0x00), function 0 (0x00)
Common header	
Vendor ID	0x8086

Model ID	0x0040
Revision ID	0x12
Description	PCI to PCI Bridge
Location	bus 0 (0x00), device 1 (0x01), function 0 (0x00)
Common header	
Vendor ID	0x8086
Model ID	0x0041
Revision ID	0x12
Description	Communication Device
Location	bus 0 (0x00), device 22 (0x16), function 0 (0x00)
Common header	
Vendor ID	0x8086
Model ID	0x3B64
Revision ID	0x06
Description	Ethernet Controller
Location	bus 0 (0x00), device 25 (0x19), function 0 (0x00)
Common header	
Vendor ID	0x8086
Model ID	0x10F0
Revision ID	0x06
Description	USB 2.0 Controller (EHCI)
Location	bus 0 (0x00), device 26 (0x1A), function 0 (0x00)
Common header	
Vendor ID	0x8086
Model ID	0x3B3C
Revision ID	0x06
Description	Multimedia device
Location	bus 0 (0x00), device 27 (0x1B), function 0 (0x00)
Common header	
Vendor ID	0x8086
Model ID	0x3B56
Revision ID	0x06
Description	USB 2.0 Controller (EHCI)
Location	bus 0 (0x00), device 29 (0x1D), function 0 (0x00)
Common header	
Vendor ID	0x8086
Model ID	0x3B34
Revision ID	0x06

Description	PCI to PCI Bridge
Location	bus 0 (0x00), device 30 (0x1E), function 0 (0x00)
Common header	
Vendor ID	0x8086
Model ID	0x244E
Revision ID	0xA6

Description	PCI to ISA Bridge
Location	bus 0 (0x00), device 31 (0x1F), function 0 (0x00)
Common header	
Vendor ID	0x8086
Model ID	0x3B06
Revision ID	0x06

Description	IDE Controller
Location	bus 0 (0x00), device 31 (0x1F), function 2 (0x02)
Common header	
Vendor ID	0x8086
Model ID	0x3B20
Revision ID	0x06

Description	SMBus Controller
Location	bus 0 (0x00), device 31 (0x1F), function 3 (0x03)
Common header	
Vendor ID	0x8086
Model ID	0x3B30
Revision ID	0x06

Description	IDE Controller
Location	bus 0 (0x00), device 31 (0x1F), function 5 (0x05)
Common header	
Vendor ID	0x8086
Model ID	0x3B26
Revision ID	0x06

Description	VGA Controller
Location	bus 1 (0x01), device 0 (0x00), function 0 (0x00)
Common header	
Vendor ID	0x10DE
Model ID	0x06E4
Revision ID	0xA1

Description	Host Bridge
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Location	bus 255 (0xFF), device 0 (0x00), function 0 (0x00)
Common header	
Vendor ID	0x8086
Model ID	0x2C61
Revision ID	0x02

Description	Host Bridge
Location	bus 255 (0xFF), device 0 (0x00), function 1 (0x01)
Common header	
Vendor ID	0x8086
Model ID	0x2D01
Revision ID	0x02

Description	Host Bridge
Location	bus 255 (0xFF), device 2 (0x02), function 0 (0x00)
Common header	
Vendor ID	0x8086
Model ID	0x2D10
Revision ID	0x02

Description	Host Bridge
Location	bus 255 (0xFF), device 2 (0x02), function 1 (0x01)
Common header	
Vendor ID	0x8086
Model ID	0x2D11
Revision ID	0x02

Description	Host Bridge
Location	bus 255 (0xFF), device 2 (0x02), function 2 (0x02)
Common header	
Vendor ID	0x8086
Model ID	0x2D12
Revision ID	0x02

Description	Host Bridge
Location	bus 255 (0xFF), device 2 (0x02), function 3 (0x03)
Common header	
Vendor ID	0x8086
Model ID	0x2D13
Revision ID	0x02

DMI

DMI BIOS

vendor	American Megatrends Inc.
version	IPMIP-GS-H55-0111
date	03/10/2010
ROM size	8192 KB

DMI System Information

manufacturer	To Be Filled By O.E.M.
product	To Be Filled By O.E.M.
version	Rev 1.xx
serial	To Be Filled By O.E.M.
UUID	{329B11A0-CA11-11DF-8585-7071BCB002A0}

DMI Baseboard

vendor	PEGATRON CORPORATION
model	IPMIP-GS
revision	Rev 1.xx
serial	107089600000781

DMI System Enclosure

manufacturer	To Be Filled By O.E.M.
chassis type	Desktop
chassis serial	To Be Filled By O.E.M.

DMI Processor

manufacturer	Intel
model	Intel(R) Core(TM) i3 CPU 530 @ 2.93GHz
clock speed	2933.0 MHz
FSB speed	133.0 MHz
multiplier	22.0x

DMI Port Connector

designation	J1A1 (internal)
designation	PS2Mouse (external)
port type	Mouse Port
connector	PS/2

DMI Port Connector

designation	J1A1 (internal)
designation	Keyboard (external)
port type	Keyboard Port
connector	PS/2

DMI Port Connector

designation	J2A2 (internal)
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designation	USB1 (external)
port type	USB
connector	Access Bus (USB)
DMI Port Connector	
designation	J2A2 (internal)
designation	USB2 (external)
port type	USB
connector	Access Bus (USB)
DMI Port Connector	
designation	J4A1 (internal)
designation	LPT 1 (external)
port type	Parallel Port ECP/EPP
connector	DB-25 male
DMI Port Connector	
designation	J2A1 (internal)
designation	COM A (external)
port type	Serial Port 16550A
connector	DB-9 male
DMI Port Connector	
designation	J6A1 (internal)
designation	Audio Mic In (external)
port type	Audio Port
connector	Mini Jack (headphones)
DMI Port Connector	
designation	J6A1 (internal)
designation	Audio Line In (external)
port type	Audio Port
connector	Mini Jack (headphones)
DMI Port Connector	
designation	J6B1 - AUX IN (internal)
port type	Audio Port
connector	On Board Sound Input From CD-ROM
DMI Port Connector	
designation	J6B2 - CDIN (internal)
port type	Audio Port
connector	On Board Sound Input From CD-ROM

DMI Port Connector	
designation	J6J2 - PRI IDE (internal)
connector	On Board IDE
DMI Port Connector	
designation	J6J1 - SEC IDE (internal)
connector	On Board IDE
DMI Port Connector	
designation	J4J1 - FLOPPY (internal)
connector	On Board Floppy
DMI Port Connector	
designation	J9H1 - FRONT PNL (internal)
connector	9 Pin Dual Inline (pin 10 cut)
DMI Port Connector	
designation	J1B1 - CHASSIS REAR FAN (internal)
DMI Port Connector	
designation	J2F1 - CPU FAN (internal)
DMI Port Connector	
designation	J8B4 - FRONT FAN (internal)
DMI Port Connector	
designation	J9G2 - FNT USB (internal)
DMI Port Connector	
designation	J6C3 - FP AUD (internal)
DMI Port Connector	
designation	J9G1 - CONFIG (internal)
DMI Port Connector	
designation	J8C1 - SCSI LED (internal)
DMI Port Connector	
designation	J9J2 - INTRUDER (internal)
DMI Port Connector	
designation	J9G4 - ITP (internal)
DMI Port Connector	

designation	J2H1 - MAIN POWER (internal)
DMI Extension Slot	
designation	PCI-E x16
type	A5
populated	yes
DMI Extension Slot	
designation	PCI-E x4
type	A5
populated	no
DMI Extension Slot	
designation	PCI-E x1
type	A5
populated	no
DMI Extension Slot	
designation	PCI
type	PCI
width	32 bits
populated	no
DMI Physical Memory Array	
location	Motherboard
usage	System Memory
correction	None
max capacity	4096 MBytes
max# of devices	4
DMI Memory Device	
designation	DIMM0
format	DIMM
type	unknown
total width	64 bits
data width	64 bits
size	2048 MBytes
DMI Memory Device	
designation	DIMM1
format	DIMM
type	unknown
DMI Memory Device	

designation	DIMM2
format	DIMM
type	unknown
total width	64 bits
data width	64 bits
size	2048 MBytes

DMI Memory Device

designation	DIMM3
format	DIMM
type	unknown

Graphics

Number of adapters	1
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Graphic APIs

API	NVIDIA I/O
API	NVIDIA NVAPI

Display Adapters

Display adapter 0

Name	NVIDIA GeForce 8400 GS
Revision	A2
Codename	G98
Technology	65 nm
Memory size	512 MB
PCI device	bus 1 (0x1), device 0 (0x0), function 0 (0x0)
Vendor ID	0x10DE (0x0000)
Model ID	0x06E4 (0x0000)
Performance Level	0
Core clock	567.0 MHz
Shader clock	1400.0 MHz
Memory clock	300.0 MHz

Win32_VideoController	AdapterRAM = 0x20000000 (536870912)
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Software

Windows Version	Microsoft Windows 7 (6.1) Home Premium Edition 64-bit Service Pack 1 (Build 7601)
DirectX Version	11.0