



CPU-Z

Binaries

CPU-Z version 1.90.0.x64

Processors

Number of sockets 1
Number of threads 4

APICs

Socket 0

-- Core 0 (ID 0)
-- Thread 0 0
-- Thread 1 1
-- Core 1 (ID 2)
-- Thread 2 4
-- Thread 3 5

Timers

ACPI timer 3.580 MHz
Perf timer 10.000 MHz
Sys timer 1.000 KHz

Processors Information

Socket 1 ID = 0
Number of cores 2 (max 2)
Number of threads 4 (max 4)
Manufacturer GenuineIntel
Name Intel Core i3 330M
Codename Arrandale
Specification Intel(R) Core(TM) i3 CPU M 330 @ 2.13GHz
Package (platform ID) Socket 989 rPGA (0x4)
CPUID 6.5.2
Extended CPUID 6.25
Core Stepping C2
Technology 32 nm
TDP Limit 25.0 Watts
Core Speed 2128.3 MHz
Multiplier x Bus Speed 16.0 x 133.0 MHz

Base frequency (cores)	133.0 MHz
Base frequency (ext.)	133.0 MHz
Rated Bus speed	2394.3 MHz
Stock frequency	2133 MHz
Instructions sets	MMX, SSE, SSE2, SSE3, SSSE3, SSE4.1, SSE4.2, EM64T, VT-x
Microcode Revision	0x11
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	3 MBytes, 12-way set associative, 64-byte line size
Max CPUID level	0000000Bh
Max CPUID ext. level	80000008h
Cache descriptor	Level 1, D, 32 KB, 2 thread(s)
Cache descriptor	Level 1, I, 32 KB, 2 thread(s)
Cache descriptor	Level 2, U, 256 KB, 2 thread(s)
Cache descriptor	Level 3, U, 3 MB, 16 thread(s)
FID/VID Control	yes
Turbo Mode	not supported
Max turbo frequency	2133 MHz
Max non-turbo ratio	16x
Max turbo ratio	16x
Max efficiency ratio	7x
TDC Limit	21 Amps
Max bus number	255
Attached device	PCI device at bus 255, device 2, function 1
Temperature 0	60 degC (140 degF) (Core #0)
Temperature 1	61 degC (141 degF) (Core #1)
Power 00	25.00 W (Package)
Clock Speed 0	2128.25 MHz (Core #0)
Clock Speed 1	2128.25 MHz (Core #1)
Core 0 max ratio	16.0 (effective 16.0)
Core 1 max ratio	16.0 (effective 16.0)

Chipset

Northbridge	Intel Havendale/Clarkdale Host Bridge rev. 12
Southbridge	Intel HM55 rev. 05
Memory Type	DDR3
Memory Size	4 GBytes
Channels	Dual, (Symmetric)

Memory Frequency	532.1 MHz (4:16)
CAS# latency (CL)	7.0
RAS# to CAS# delay (tRCD)	7
RAS# Precharge (tRP)	7
Cycle Time (tRAS)	20
Row Refresh Cycle Time (tRFC)	60
Command Rate (CR)	1T
Host Bridge	0x0044
Host Bridge	0x2C62
Host Bridge	0x2D01
Host Bridge	0x2D10
Host Bridge	0x2D11
Host Bridge	0x2D12
Host Bridge	0x2D13

Memory SPD

DIMM #	1
SMBus address	0x50
Memory type	DDR3
Module format	SO-DIMM
Module Manufacturer(ID)	Elpida (7F7FFE000000000000000000)
Size	2048 MBytes
Max bandwidth	PC3-8500F (533 MHz)
Part number	EBJ21UE8BDS0-AE-F
Serial number	6B132770
Manufacturing date	Week 47/Year 09
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	6.0-6-6-18-24 @ 457 MHz
JEDEC #2	7.0-7-7-20-27 @ 533 MHz
JEDEC #3	8.0-7-7-20-27 @ 533 MHz

DIMM #	2
SMBus address	0x52
Memory type	DDR3
Module format	SO-DIMM
Module Manufacturer(ID)	Elpida (7F7FFE000000000000000000)
Size	2048 MBytes
Max bandwidth	PC3-8500F (533 MHz)
Part number	EBJ21UE8BDS0-AE-F

Serial number	65132770
Manufacturing date	Week 47/Year 09
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	6.0-6-6-18-24 @ 457 MHz
JEDEC #2	7.0-7-7-20-27 @ 533 MHz
JEDEC #3	8.0-7-7-20-27 @ 533 MHz

Monitoring

Mainboard Model NV59C (0x00000155 - 0x00031AB0)

LPCIO

Hardware Monitors

Hardware monitor D3D

PCI Devices

Description Host Bridge
 Location bus 0 (0x00), device 0 (0x00), function 0 (0x00)
 Common header
 Vendor ID 0x8086
 Model ID 0x0044
 Revision ID 0x12

Description VGA Controller
 Location bus 0 (0x00), device 2 (0x02), function 0 (0x00)
 Common header
 Vendor ID 0x8086
 Model ID 0x0046
 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 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	0x05
Description	Multimedia device
Location	bus 0 (0x00), device 27 (0x1B), function 0 (0x00)
Common header	
Vendor ID	0x8086
Model ID	0x3B56
Revision ID	0x05
Description	PCI to PCI Bridge
Location	bus 0 (0x00), device 28 (0x1C), function 0 (0x00)
Common header	
Vendor ID	0x8086
Model ID	0x3B42
Revision ID	0x05
Description	PCI to PCI Bridge
Location	bus 0 (0x00), device 28 (0x1C), function 1 (0x01)
Common header	
Vendor ID	0x8086
Model ID	0x3B44
Revision ID	0x05
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	0x05
Description	PCI to PCI Bridge
Location	bus 0 (0x00), device 30 (0x1E), function 0 (0x00)
Common header	
Vendor ID	0x8086
Model ID	0x2448
Revision ID	0xA5
Description	PCI to ISA Bridge
Location	bus 0 (0x00), device 31 (0x1F), function 0 (0x00)
Common header	

Vendor ID	0x8086
Model ID	0x3B09
Revision ID	0x05
Description	IDE Controller
Location	bus 0 (0x00), device 31 (0x1F), function 2 (0x02)
Common header	
Vendor ID	0x8086
Model ID	0x3B28
Revision ID	0x05
Description	SMBus Controller
Location	bus 0 (0x00), device 31 (0x1F), function 3 (0x03)
Common header	
Vendor ID	0x8086
Model ID	0x3B30
Revision ID	0x05
Description	IDE Controller
Location	bus 0 (0x00), device 31 (0x1F), function 5 (0x05)
Common header	
Vendor ID	0x8086
Model ID	0x3B2D
Revision ID	0x05
Description	Data Aquisition and Signal Processing Device
Location	bus 0 (0x00), device 31 (0x1F), function 6 (0x06)
Common header	
Vendor ID	0x8086
Model ID	0x3B32
Revision ID	0x05
Description	Ethernet Controller
Location	bus 1 (0x01), device 0 (0x00), function 0 (0x00)
Common header	
Vendor ID	0x14E4
Model ID	0x1692
Revision ID	0x01
Description	Network Controller
Location	bus 2 (0x02), device 0 (0x00), function 0 (0x00)
Common header	
Vendor ID	0x168C
Model ID	0x002A

Revision ID	0x01
Description	Host Bridge
Location	bus 255 (0xFF), device 0 (0x00), function 0 (0x00)
Common header	
Vendor ID	0x8086
Model ID	0x2C62
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

SMBIOS Version 2.6

DMI BIOS

vendor Gateway
version V1.02
date 02/05/2010
ROM size 1536 KB

DMI System Information

manufacturer Gateway
product NV59C
version V1.02
serial LXWJL0200301045E861601
UUID {87861940-A4F9-9920-05F2-705AB648A1A1}
SKU Calpella_CRB
family Intel_Mobile

DMI Baseboard

vendor Gateway
model NV59C
revision V1.02
serial Base Board Serial Number

DMI System Enclosure

manufacturer Gateway
chassis type Notebook
chassis serial Chassis Serial Number

DMI Extension Slot

designation J5C1
type AA
populated no

DMI Extension Slot

designation J6C1
type A6
populated no

DMI Extension Slot

designation J6C2
type A6
populated no

DMI Extension Slot

designation	J6D2
type	A6
populated	no

DMI Extension Slot

designation	J7C1
type	A6
populated	no

DMI Extension Slot

designation	J7D2
type	A6
populated	no

DMI Extension Slot

designation	J8C2
type	AA
populated	no

DMI Extension Slot

designation	J8C1
type	A6
populated	no

DMI OEM Strings

string[0]	Acer
string[1]	zB-xne9zIRXGO
string[2]	XHaEJI7gJn+MZ
string[3]	DN-1RUDyIKlj1

DMI Additional Information Device

string #	2
string[0]	PCIExpressx16
string[1]	Compiler Version: VC 9.0

DMI Physical Memory Array

location	Motherboard
usage	System Memory
correction	None
max capacity	16 GB
max# of devices	2

DMI Memory Device

designation	DIMM0
format	SODIMM
type	DDR3
total width	64 bits
data width	64 bits
size	2 GB

DMI Memory Module

designation	DIMM0
size	2048 MBytes (single bank)

DMI Memory Device

designation	DIMM1
format	unknown
type	unknown

DMI Memory Module

designation	DIMM1
-------------	-------

DMI Memory Device

designation	DIMM1
format	SODIMM
type	DDR3
total width	64 bits
data width	64 bits
size	2 GB

DMI Memory Module

designation	DIMM1
size	2048 MBytes (single bank)

DMI Memory Device

designation	DIMM3
format	unknown
type	unknown

DMI Memory Module

designation	DIMM3
-------------	-------

DMI Memory Controller

correction	unknown
Max module size	8192 MBytes

DMI Processor

manufacturer	Intel(R) Corporation
model	Intel(R) Core(TM) i3 CPU M 330 @ 2.13GHz
clock speed	2141.0 MHz
FSB speed	1066.0 MHz
multiplier	2.0x

Graphics

Number of adapters	1
--------------------	---

Graphic APIs

API	D3D
API	Intel I/O

Display Adapters

Display adapter 0

ID	0x4000000
Name	Intel(R) HD Graphics
Board Manufacturer	0x1025 (0x036D)
PCI device	bus 0 (0x0), device 2 (0x2), function 0 (0x0)
Vendor ID	0x8086 (0x1025)
Model ID	0x0046 (0x036D)
Revision ID	0x12
Performance Level	0

Win32_VideoController	AdapterRAM = 0x6DB69800 (1840683008)
-----------------------	--------------------------------------

Win32_VideoController	DriverVersion = 8.15.10.2900
-----------------------	------------------------------

Win32_VideoController	DriverDate = 11/26/2012
-----------------------	-------------------------

Monitor 0

Model	LP156WH2-TLE1 ()
ID	LGDCF01
Serial	
Manufacturing Date	Week 0, Year 2008
Size	15.3 inches
Max Resolution	1366 x 768 @ 59 Hz
Horizontal Freq. Range	0-0 kHz
Vertical Freq. Range	0-0 Hz
Max Pixel Clock	0 MHz
Gamma Factor	2.2

Monitor 1

Model	D50-F1 ()
-------	-----------

ID	VIZ1033
Serial	
Manufacturing Date	Week 0, Year 2018
Size	74.6 inches
Max Resolution	3840 x 2160 @ 30 Hz
Horizontal Freq. Range	15-140 kHz
Vertical Freq. Range	23-76 Hz
Max Pixel Clock	600 MHz
Gamma Factor	2.2

Software

Windows Version	Microsoft Windows 10 (10.0) Professional 64-bit (Build 18363)
DirectX Version	12.0