



## CPU-Z

### Binaries

CPU-Z version 2.09.0.x64

### Processors

CPU Groups 1  
CPU Group 0 4 threads, mask=0xF  
  
Number of sockets 1  
Number of threads 4

### APICs

Socket 0  
-- Core 0 (ID 0)  
-- Thread 0 0  
-- Core 1 (ID 1)  
-- Thread 1 2  
-- Core 2 (ID 2)  
-- Thread 2 4  
-- Core 3 (ID 3)  
-- Thread 3 6

### 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 4 (max 4)  
Number of threads 4 (max 4)  
Manufacturer GenuineIntel  
Name Intel Pentium N3530  
Codename Bay Trail-M  
Specification Intel(R) Pentium(R) CPU N3530 @ 2.16GHz  
Package (platform ID) Socket 1170 BGA (0x3)  
CPUID 6.7.8

Extended CPUID	6.37
Core Stepping	C0
Technology	22 nm
Tjmax	105.0 °C
Core Speed	833.0 MHz
Multiplier x Bus Speed	10.0 x 83.3 MHz
Base frequency (cores)	83.3 MHz
Base frequency (mem.)	83.3 MHz
Stock frequency	2166 MHz
Instructions sets	MMX, SSE, SSE2, SSE3, SSSE3, SSE4.1, SSE4.2, EM64T, VT-x
Microcode Revision	0x838
L1 Data cache	4 x 24 KB (6-way, 64-byte line)
L1 Instruction cache	4 x 32 KB (8-way, 64-byte line)
L2 cache	2 x 1024 KB (16-way, 64-byte line)
Max CPUID level	0000000Bh
Max CPUID ext. level	80000008h
FID/VID Control	yes
Max non-turbo ratio	26x
Max turbo ratio	31x
Ratio 1 core	31x
Ratio 2 cores	31x
Ratio 3 cores	31x
Ratio 4 cores	31x
Temperature 0	42 degC (107 degF) (GT)
Temperature 1	42 degC (107 degF) (Cores (Max))
Temperature 2	41 degC (105 degF) (Core #0)
Temperature 3	41 degC (105 degF) (Core #1)
Temperature 4	41 degC (105 degF) (Core #2)
Temperature 5	41 degC (105 degF) (Core #3)
Voltage 0	0.42 Volts (VID)
Power 00	0.64 W (Package)
Power 01	0.06 W (IA Cores)
Clock Speed 0	832.96 MHz (Core #0)
Clock Speed 1	832.96 MHz (Core #1)
Clock Speed 2	832.96 MHz (Core #2)
Clock Speed 3	832.96 MHz (Core #3)
Core 0 max ratio	31.00 (effective 31.00)
Core 1 max ratio	31.00 (effective 31.00)
Core 2 max ratio	31.00 (effective 31.00)
Core 3 max ratio	31.00 (effective 31.00)

**Chipset**

Northbridge	Intel Bay Trail Host Bridge rev. 0E
Southbridge	Intel Bay Trail LPC Bridge rev. 0E
Bus Specification	PCI-Express 2.0 (5.0 GT/s)
Memory Type	DDR3
Memory Size	4 GBytes
Channels	Dual
Memory Frequency	666.7 MHz (1:8)
CAS# latency (CL)	9.0
RAS# to CAS# delay (tRCD)	9
RAS# Precharge (tRP)	9
Cycle Time (tRAS)	24
Command Rate (CR)	1T
Host Bridge	0x0F00

**Memory SPD**

DIMM #	1
SMBus address	0x50
Memory type	DDR3L
Module format	SO-DIMM
Module Manufacturer(ID)	Samsung (CE00000000000000000000000000000000)
SDRAM Manufacturer (ID)	Samsung (CE00000000000000000000000000000000)
Size	4096 MBytes
Max bandwidth	PC3-12800 (800 MHz)
Part number	M471B5173DB0-YK0
Serial number	16ADEFC7
Manufacturing date	Week 24/Year 14
Number of banks	8
Nominal Voltage	1.35 Volts
EPP	no
XMP	no
AMP	no
EXPO	no
JEDEC timings table	CL-tRCD-tRP-tRAS-tRC @ frequency
JEDEC #1	5.0-5-5-14-19 @ 380 MHz
JEDEC #2	6.0-6-6-16-22 @ 457 MHz
JEDEC #3	7.0-7-7-19-26 @ 533 MHz
JEDEC #4	8.0-8-8-22-30 @ 609 MHz
JEDEC #5	9.0-9-9-24-33 @ 685 MHz
JEDEC #6	10.0-10-10-27-37 @ 761 MHz

JEDEC #7

11.0-11-11-28-39 @ 800 MHz

**Monitoring**

Mainboard Model

Roxy (0x000001B2 - 0x00004308)

**LPCIO****Hardware Monitors**

Hardware monitor

Intel I/O

Clock Speed 0

860.00 MHz [0x35C] (Graphics)

Clock Speed 1

n.a. (Memory)

Clock Speed 2

n.a. (Processor)

**PCI Devices**

Description

Host Bridge

Location

bus 0 (0x00), device 0 (0x00), function 0 (0x00)

Common header

Vendor ID

0x8086 (Intel)

Model ID

0x0F00

Revision ID

0x0E

PCI header

Subvendor ID

0x1025 (ACER)

Subsystem ID

0x0860

Int. Line

0x00

Int. Pin

0x00

Description

VGA Controller

Location

bus 0 (0x00), device 2 (0x02), function 0 (0x00)

Common header

Vendor ID

0x8086 (Intel)

Model ID

0x0F31

Revision ID

0x0E

PCI header

Address 0 (memory)

0x90000000

Address 2 (memory)

0x80000000

Address 4 (port)

0x00002050

Subvendor ID

0x1025 (ACER)

Subsystem ID

0x0860

Int. Line

0x00

Int. Pin

0x01

PCI capability

Caps class

Power Management

Caps offset	0xD0
Caps version	1.1
PCI capability	
Caps class	Message Signalled Interrupts
Caps offset	0x90
PCI capability	
Caps class	Vendor Dependant
Caps offset	0xB0
Description	Serial ATA Controller - AHCI
Location	bus 0 (0x00), device 19 (0x13), function 0 (0x00)
Common header	
Vendor ID	0x8086 (Intel)
Model ID	0x0F23
Revision ID	0x0E
PCI header	
Address 0 (port)	0x00002048
Address 1 (port)	0x0000205C
Address 2 (port)	0x00002040
Address 3 (port)	0x00002058
Address 4 (port)	0x00002020
Address 5 (memory)	0x9091D000
Subvendor ID	0x1025 (ACER)
Subsystem ID	0x0860
Int. Line	0x00
Int. Pin	0x01
PCI capability	
Caps class	Message Signalled Interrupts
Caps offset	0x80
PCI capability	
Caps class	Power Management
Caps offset	0x70
Caps version	1.2
PCI capability	
Caps class	Serial ATA Configuration
Caps offset	0xA8
Description	USB Controller (xHCI)
Location	bus 0 (0x00), device 20 (0x14), function 0 (0x00)
Common header	
Vendor ID	0x8086 (Intel)
Model ID	0x0F35
Revision ID	0x0E

PCI header	
Address 0 (memory)	0x0000000090900004
Subvendor ID	0x1025 (ACER)
Subsystem ID	0x0860
Int. Line	0x00
Int. Pin	0x01
PCI capability	
Caps class	Power Management
Caps offset	0x70
Caps version	1.1
PCI capability	
Caps class	Message Signalled Interrupts
Caps offset	0x80
Description	
Encryption Device	
Location	bus 0 (0x00), device 26 (0x1A), function 0 (0x00)
Common header	
Vendor ID	0x8086 (Intel)
Model ID	0x0F18
Revision ID	0x0E
PCI header	
Address 0 (memory)	0x90800000
Address 1 (memory)	0x90700000
Subvendor ID	0x1025 (ACER)
Subsystem ID	0x0860
Int. Line	0xFF
Int. Pin	0x01
PCI capability	
Caps class	Power Management
Caps offset	0x80
Caps version	1.2
PCI capability	
Caps class	Message Signalled Interrupts
Caps offset	0xA0
Description	
High Definition Audio (HDA)	
Location	bus 0 (0x00), device 27 (0x1B), function 0 (0x00)
Common header	
Vendor ID	0x8086 (Intel)
Model ID	0x0F04
Revision ID	0x0E
PCI header	
Address 0 (memory)	0x0000000090910004

Subvendor ID	0x1025 (ACER)
Subsystem ID	0x0860
Int. Line	0x16
Int. Pin	0x01
PCI capability	
Caps class	Power Management
Caps offset	0x50
Caps version	1.1
PCI capability	
Caps class	Message Signalled Interrupts
Caps offset	0x60
Description	PCI to PCI Bridge
Location	bus 0 (0x00), device 28 (0x1C), function 0 (0x00)
Common header	
Vendor ID	0x8086 (Intel)
Model ID	0x0F48
Revision ID	0x0E
PCI header	
Primary bus	0x00
Secondary bus	0x01
Int. Line	0x07
Int. Pin	0x01
PCI capability	
Caps class	PCI Express
Caps offset	0x40
Device type	Root Port of PCI-E Root Complex
Port	1
Caps version	2.0
Physical slot	#0
Presence detect	no
Link width	0x (max 1x)
Link speed	2.5 GT/s (max 5.0 GT/s)
PCI capability	
Caps class	Message Signalled Interrupts
Caps offset	0x80
PCI capability	
Caps class	Subsystem Vendor
Caps offset	0x90
SubVendor ID	0x1025 (ACER)
SubSystem ID	0x0860
PCI capability	
Caps class	Power Management

Caps offset	0xA0
Caps version	1.2
Description	PCI to PCI Bridge
Location	bus 0 (0x00), device 28 (0x1C), function 1 (0x01)
Common header	
Vendor ID	0x8086 (Intel)
Model ID	0x0F4A
Revision ID	0x0E
PCI header	
Primary bus	0x00
Secondary bus	0x02
Int. Line	0x0B
Int. Pin	0x02
PCI capability	
Caps class	PCI Express
Caps offset	0x40
Device type	Root Port of PCI-E Root Complex
Port	2
Caps version	2.0
Physical slot	#0
Presence detect	yes
Link width	1x (max 1x)
Link speed	2.5 GT/s (max 5.0 GT/s)
PCI capability	
Caps class	Message Signalled Interrupts
Caps offset	0x80
PCI capability	
Caps class	Subsystem Vendor
Caps offset	0x90
SubVendor ID	0x1025 (ACER)
SubSystem ID	0x0860
PCI capability	
Caps class	Power Management
Caps offset	0xA0
Caps version	1.2
Description	PCI to PCI Bridge
Location	bus 0 (0x00), device 28 (0x1C), function 2 (0x02)
Common header	
Vendor ID	0x8086 (Intel)
Model ID	0x0F4C
Revision ID	0x0E

PCI header	
Primary bus	0x00
Secondary bus	0x03
Int. Line	0x0B
Int. Pin	0x03
PCI capability	
Caps class	PCI Express
Caps offset	0x40
Device type	Root Port of PCI-E Root Complex
Port	3
Caps version	2.0
Physical slot	#0
Presence detect	yes
Link width	1x (max 1x)
Link speed	2.5 GT/s (max 5.0 GT/s)
PCI capability	
Caps class	Message Signalled Interrupts
Caps offset	0x80
PCI capability	
Caps class	Subsystem Vendor
Caps offset	0x90
SubVendor ID	0x1025 (ACER)
SubSystem ID	0x0860
PCI capability	
Caps class	Power Management
Caps offset	0xA0
Caps version	1.2
Description	PCI to ISA Bridge
Location	bus 0 (0x00), device 31 (0x1F), function 0 (0x00)
Common header	
Vendor ID	0x8086 (Intel)
Model ID	0x0F1C
Revision ID	0x0E
PCI header	
Subvendor ID	0x1025 (ACER)
Subsystem ID	0x0860
Int. Line	0x00
Int. Pin	0x00
PCI capability	
Caps class	Vendor Dependant
Caps offset	0xE0

Description	SMBus Controller
Location	bus 0 (0x00), device 31 (0x1F), function 3 (0x03)
Common header	
Vendor ID	0x8086 (Intel)
Model ID	0x0F12
Revision ID	0x0E
PCI header	
Address 0 (memory)	0x90919000
Address 4 (port)	0x00002000
Subvendor ID	0x1025 (ACER)
Subsystem ID	0x0860
Int. Line	0xFF
Int. Pin	0x02
PCI capability	
Caps class	Power Management
Caps offset	0x50
Caps version	1.2
Description	Network Controller
Location	bus 2 (0x02), device 0 (0x00), function 0 (0x00)
Common header	
Vendor ID	0x14E4
Model ID	0x4359
Revision ID	0x00
PCI header	
Address 0 (memory)	0x0000000090600004
Subvendor ID	0x105B
Subsystem ID	0xE04B
Int. Line	0x11
Int. Pin	0x01
PCI capability	
Caps class	Power Management
Caps offset	0x40
Caps version	1.2
PCI capability	
Caps class	Vendor Dependant
Caps offset	0x58
PCI capability	
Caps class	Message Signalled Interrupts
Caps offset	0x48
PCI capability	
Caps class	PCI Express
Caps offset	0xD0

Device type	PCI-E Endpoint Device
Port	0
Caps version	1.0
Link width	1x (max 1x)
Link speed	2.5 GT/s (max 2.5 GT/s)
Description	Ethernet Controller
Location	bus 3 (0x03), device 0 (0x00), function 0 (0x00)
Common header	
Vendor ID	0x10EC (Realtek)
Model ID	0x8168
Revision ID	0x0C
PCI header	
Address 0 (port)	0x00001000
Address 2 (memory)	0x0000000090500004
Address 4 (memory)	0x000000009040000C
Subvendor ID	0x1025 (ACER)
Subsystem ID	0x0860
Int. Line	0x00
Int. Pin	0x01
PCI capability	
Caps class	Power Management
Caps offset	0x40
Caps version	1.2
PCI capability	
Caps class	Message Signalled Interrupts
Caps offset	0x50
PCI capability	
Caps class	PCI Express
Caps offset	0x70
Device type	PCI-E Endpoint Device
Port	0
Caps version	2.0
Link width	1x (max 1x)
Link speed	2.5 GT/s (max 2.5 GT/s)
PCI capability	
Caps class	MSI-X
Caps offset	0xB0
PCI capability	
Caps class	Virtual Product Data
Caps offset	0xD0

**DMI**

SMBIOS Version 2.7

**DMI BIOS**

vendor Insyde Corp.  
version V1.16  
date 06/25/2014  
ROM size 4096 KB

**DMI System Information**

manufacturer Acer  
product TravelMate B115-M  
version V1.16  
serial NXVA1EG0024320302A7600  
UUID {4E4B0224-FDD5-7347-8A7E-B3D9FF66E67C}  
SKU TravelMate B115-M\_0843\_1\_16  
family Type1Family

**DMI Baseboard**

vendor Acer  
model Roxy  
revision Type2 - A01 Board Version  
serial NBMNU110034320302A7600

**DMI System Enclosure**

manufacturer Chassis Manufacturer  
chassis type Notebook  
chassis serial Chassis Serial Number

**DMI Processor**

manufacturer Intel(R) Corporation  
model Intel(R) Pentium(R) CPU N3530 @ 2.16GHz  
clock speed 2176.0 MHz  
FSB speed 83.0 MHz  
multiplier 26.0x  
max clock speed 2573.0 MHz

**DMI data**

000 0x04 0x2A 0x04 0x00 0x03 0x03 0x2B 0x02 0x78 0x06  
010 0x03 0x00 0xFF 0xFB 0xEB 0xBF 0x01 0x89 0x53 0x00  
020 0x0D 0x0A 0x80 0x08 0x41 0x06 0x07 0x00 0x08 0x00  
030 0xFF 0xFF 0x00 0x00 0x00 0x04

**DMI Memory Module**

designation	DIMM0
size	4096 MBytes (single bank)

**DMI OEM Strings**

string[0]	String1 for Original Equipment Manufacturer
string[1]	ia5sglAvTNkZy
string[2]	-vkytmr2PfNE-
string[3]	Ctmqg9rSeB8vx
string[4]	String5 for Original Equipment Manufacturer

**DMI Physical Memory Array**

location	Motherboard
usage	System Memory
correction	None
max capacity	8 GB
max# of devices	1

**DMI Memory Device**

designation	DIMM0
format	SODIMM
type	DDR3
total width	64 bits
data width	64 bits
size	4 GB
speed	1333 MHz
manufacturer	Samsung
part number	M471B5173DB0-YK0
serial number	22172319

**DMI data**

000	0x11 0x22 0x0F 0x00 0x0E 0x00 0xFF 0xFF 0x40 0x00
010	0x40 0x00 0x00 0x10 0x0D 0x00 0x01 0x02 0x18 0x80
020	0x00 0x35 0x05 0x03 0x04 0x05 0x06 0x00 0x00 0x00
030	0x00 0x00 0x35 0x05 0x44 0x49 0x4D 0x4D 0x30 0x00
040	0x42 0x41 0x4E 0x4B 0x20 0x30 0x00 0x53 0x61 0x6D
050	0x73 0x75 0x6E 0x67 0x00 0x32 0x32 0x31 0x37 0x32
060	0x33 0x31 0x39 0x00

**Graphics**

Number of adapters	1
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**Graphic APIs**

API	D3D
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API

Intel I/O

**Display Adapters**

Display adapter 0 (primary)

ID	0x4000000
Name	Intel(R) HD Graphics
Board Manufacturer	ACER
PCI device	bus 0 (0x0), device 2 (0x2), function 0 (0x0)
Vendor ID	0x8086 (0x1025)
Model ID	0x0F31 (0x0860)
Revision ID	0xE
Performance Level	Current
Core clock	860.0 MHz
Driver version	10.18.10.4252
WDDM Model	1.3

Win32_VideoController	AdapterRAM = 0x806AE000 (2154487808)
Win32_VideoController	DriverVersion = 10.18.10.4252
Win32_VideoController	DriverDate = 07/10/2015

Monitor 0

Model	()
ID	AUO215C
Serial	
Manufacturing Date	Week 22, Year 2013
Size	11.6 inches
Max Resolution	1366 x 768 @ 60 Hz
Horizontal Freq. Range	0-0 kHz
Vertical Freq. Range	0-0 Hz
Max Pixel Clock	0 MHz
Gamma Factor	2.2

**Software**

Windows Version	Microsoft Windows 10 Professional (x64) Build 19045.4474
DirectX Version	12.0