

Information of Lenovo Zhaoyang E49

ICT-LXB

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dmidecode 2.11

SMBIOS 2.7 present.

61 structures occupying 2436 bytes.

Table at 0xBAC11000.

Handle 0x0004, DMI type 134, 16 bytes

OEM-specific Type Header and Data: 86 10 04 00 00 53 54 4D 20 01 01 00 00

02 01 02 Strings: TPM INFO System Reserved

Handle 0x0005, DMI type 4, 42 bytes

Processor Information

Socket Designation: CPU Socket - U3E1

Type: Central Processor

Family: Core i5

Manufacturer: Intel(R) Corporation

ID: A9 06 03 00 FF FB EB BF

Signature: Type 0, Family 6, Model 58, Stepping 9

Flags:

FPU (Floating-point unit on-chip)

VME (Virtual mode extension)

DE (Debugging extension)

PSE (Page size extension)

TSC (Time stamp counter)

MSR (Model specific registers)

PAE (Physical address extension)

MCE (Machine check exception)

CX8 (CMPXCHG8 instruction supported)
 APIC (On-chip APIC hardware supported)
 SEP (Fast system call)
 MTRR (Memory type range registers)
 PGE (Page global enable)
 MCA (Machine check architecture)
 CMOV (Conditional move instruction supported)
 PAT (Page attribute table)
 PSE-36 (36-bit page size extension)
 CLFSH (CLFLUSH instruction supported)
 DS (Debug store)
 ACPI (ACPI supported)
 MMX (MMX technology supported)
 FXSR (FXSAVE and FXSTOR instructions supported)
 SSE (Streaming SIMD extensions)
 SSE2 (Streaming SIMD extensions 2)
 SS (Self-snoop)
 HTT (Multi-threading)
 TM (Thermal monitor supported)
 PBE (Pending break enabled)

Version: Intel(R) Core(TM) i5-3320M CPU @ 2.60GHz
 Voltage: 0.9 V
 External Clock: 100 MHz
 Max Speed: 2600 MHz
 Current Speed: 2600 MHz
 Status: Populated, Enabled
 Upgrade: Socket rPGA988B
 L1 Cache Handle: 0x0007
 L2 Cache Handle: 0x0008
 L3 Cache Handle: 0x0009
 Serial Number: To Be Filled By O.E.M.
 Asset Tag: To Be Filled By O.E.M.
 Part Number: To Be Filled By O.E.M.
 Core Count: 2
 Core Enabled: 2
 Thread Count: 4
 Characteristics:
 64-bit capable

Handle 0x0006, DMI type 7, 19 bytes

Cache Information

Socket Designation: L1-Cache

Configuration: Enabled, Not Socketed, Level 1
Operational Mode: Write Through
Location: Internal
Installed Size: 32 kB
Maximum Size: 32 kB
Supported SRAM Types:
Unknown
Installed SRAM Type: Unknown
Speed: Unknown
Error Correction Type: Parity
System Type: Data
Associativity: 8-way Set-associative

Handle 0x0007, DMI type 7, 19 bytes

Cache Information

Socket Designation: L1-Cache
Configuration: Enabled, Not Socketed, Level 1
Operational Mode: Write Through
Location: Internal
Installed Size: 32 kB
Maximum Size: 32 kB
Supported SRAM Types:
Unknown
Installed SRAM Type: Unknown
Speed: Unknown
Error Correction Type: Parity
System Type: Instruction
Associativity: 8-way Set-associative

Handle 0x0008, DMI type 7, 19 bytes

Cache Information

Socket Designation: L2-Cache
Configuration: Enabled, Not Socketed, Level 2
Operational Mode: Write Through
Location: Internal
Installed Size: 256 kB
Maximum Size: 256 kB
Supported SRAM Types:
Unknown

Installed SRAM Type: Unknown
Speed: Unknown
Error Correction Type: Multi-bit ECC
System Type: Unified
Associativity: 8-way Set-associative

Handle 0x0009, DMI type 7, 19 bytes

Cache Information

Socket Designation: L3-Cache
Configuration: Enabled, Not Socketed, Level 3
Operational Mode: Write Back
Location: Internal
Installed Size: 3072 kB
Maximum Size: 3072 kB
Supported SRAM Types:
Unknown
Installed SRAM Type: Unknown
Speed: Unknown
Error Correction Type: Multi-bit ECC
System Type: Unified
Associativity: 12-way Set-associative

Handle 0x000A, DMI type 129, 8 bytes

OEM-specific Type

Header and Data:
81 08 0A 00 01 01 02 01
Strings:
Intel_ASF
Intel_ASF_001

Handle 0x000B, DMI type 131, 64 bytes

OEM-specific Type

Header and Data:
83 40 0B 00 14 00 00 00 00 00 00 00 00 00 00 00
F8 00 57 1E FF FF FF FF 01 20 00 00 01 00 08 00
E0 04 00 00 00 00 00 00 C8 00 FF FF 00 00 00 00
00 00 00 00 22 00 00 00 76 50 72 6F 00 00 00 00

Handle 0x000C, DMI type 16, 23 bytes

Physical Memory Array

Location: System Board Or Motherboard
Use: System Memory
Error Correction Type: None
Maximum Capacity: 16 GB
Error Information Handle: Not Provided
Number Of Devices: 2

Handle 0x000D, DMI type 17, 34 bytes

Memory Device

Array Handle: 0x000C
Error Information Handle: Not Provided
Total Width: 64 bits
Data Width: 64 bits
Size: 4096 MB
Form Factor: SODIMM
Set: None
Locator: ChannelA-DIMM0
Bank Locator: BANK 0
Type: DDR3
Type Detail: Synchronous
Speed: 1600 MHz
Manufacturer: Hynix/Hyundai
Serial Number: 00A22B8D
Asset Tag: 9876543210
Part Number: HMT351S6CFR8C-PB
Rank: Unknown
Configured Clock Speed: 1600 MHz

Handle 0x000E, DMI type 17, 34 bytes

Memory Device

Array Handle: 0x000C
Error Information Handle: Not Provided
Total Width: Unknown

Data Width: Unknown
Size: No Module Installed
Form Factor: DIMM
Set: None
Locator: ChannelB-DIMM0
Bank Locator: BANK 2
Type: Unknown
Type Detail: None
Speed: Unknown
Manufacturer: Not Specified
Serial Number: Not Specified
Asset Tag: 9876543210
Part Number: Not Specified
Rank: Unknown
Configured Clock Speed: Unknown

Handle 0x000F, DMI type 20, 35 bytes

Memory Device Mapped Address

Starting Address: 0x000000000000
Ending Address: 0x000FFFFFFFFF
Range Size: 4 GB
Physical Device Handle: 0x000D
Memory Array Mapped Address Handle: 0x0010
Partition Row Position: 1

Handle 0x0010, DMI type 19, 31 bytes

Memory Array Mapped Address

Starting Address: 0x000000000000
Ending Address: 0x000FFFFFFFFF
Range Size: 4 GB
Physical Array Handle: 0x000C
Partition Width: 2

Handle 0x0000, DMI type 0, 24 bytes

BIOS Information

Vendor: LENOVO
Version: H2ET68WW(1.68)
Release Date: 05/17/2013
Address: 0xE0000
Runtime Size: 128 kB
ROM Size: 8192 kB
Characteristics:
PCI is supported
PNP is supported
BIOS is upgradeable
BIOS shadowing is allowed
Boot from CD is supported
Selectable boot is supported
EDD is supported
3.5/720 kB floppy services are supported (int 13h)
Print screen service is supported (int 5h)
8042 keyboard services are supported (int 9h)
Serial services are supported (int 14h)
Printer services are supported (int 17h)
CGA/mono video services are supported (int 10h)
ACPI is supported
USB legacy is supported
BIOS boot specification is supported
Targeted content distribution is supported
UEFI is supported
BIOS Revision: 1.68

Handle 0x0001, DMI type 1, 27 bytes

System Information

Manufacturer: LENOVO
Product Name: 20161
Version: Zhaoyang E49
Serial Number: EB34619619
UUID: 60C70A01-52E0-11CB-969D-95C5D929EE5F
Wake-up Type: Power Switch
SKU Number: LENOVO_MT_2016
Family: Zhaoyang E49

Handle 0x0002, DMI type 2, 15 bytes

Base Board Information

Manufacturer: LENOVO
Product Name: 20161
Version: No DPK
Serial Number: ZZ0R93A91ZH
Asset Tag: Not Available
Features:
Board is a hosting board
Board is replaceable
Location In Chassis: Not Available
Chassis Handle: 0x0000
Type: Motherboard
Contained Object Handles: 0

Handle 0x0003, DMI type 3, 22 bytes

Chassis Information

Manufacturer: LENOVO
Type: Notebook
Lock: Not Present
Version: Not Available
Serial Number: EB34619
Asset Tag: No Asset Information
Boot-up State: Unknown
Power Supply State: Unknown
Thermal State: Unknown
Security Status: Unknown
OEM Information: 0x00000000
Height: Unspecified
Number Of Power Cords: Unspecified
Contained Elements: 0
SKU Number: LENOVO_MT_2016

Handle 0x0011, DMI type 8, 9 bytes

Port Connector Information Internal Reference Designator: Not Available Internal Connector Type: None External Reference Designator: External Monitor External Connector Type: DB-15 female Port Type: Video Port

Handle 0x0012, DMI type 8, 9 bytes

Port Connector Information

Internal Reference Designator: Not Available
Internal Connector Type: None
External Reference Designator: Mini DisplayPort
External Connector Type: Other
Port Type: Video Port

Handle 0x0013, DMI type 126, 9 bytes

Inactive

Handle 0x0014, DMI type 126, 9 bytes

Inactive

Handle 0x0015, DMI type 8, 9 bytes

Port Connector Information

Internal Reference Designator: Not Available
Internal Connector Type: None
External Reference Designator: Headphone Jack
External Connector Type: Mini Jack (headphones)
Port Type: Audio Port

Handle 0x0016, DMI type 126, 9 bytes

Inactive

Handle 0x0017, DMI type 126, 9 bytes

Inactive

Handle 0x0018, DMI type 8, 9 bytes

Port Connector Information

Internal Reference Designator: Not Available
Internal Connector Type: None
External Reference Designator: Ethernet
External Connector Type: RJ-45
Port Type: Network Port

Handle 0x0019, DMI type 126, 9 bytes

Inactive

Handle 0x001A, DMI type 8, 9 bytes

Port Connector Information

Internal Reference Designator: Not Available
Internal Connector Type: None
External Reference Designator: USB 1
External Connector Type: Access Bus (USB)
Port Type: USB

Handle 0x001B, DMI type 8, 9 bytes

Port Connector Information

Internal Reference Designator: Not Available
Internal Connector Type: None
External Reference Designator: USB 2
External Connector Type: Access Bus (USB)
Port Type: USB

Handle 0x001C, DMI type 8, 9 bytes

Port Connector Information

Internal Reference Designator: Not Available
Internal Connector Type: None
External Reference Designator: USB 3
External Connector Type: Access Bus (USB)
Port Type: USB

Handle 0x001D, DMI type 8, 9 bytes

Port Connector Information

Internal Reference Designator: Not Available

Internal Connector Type: None

External Reference Designator: USB 4

External Connector Type: Access Bus (USB)

Port Type: USB

Handle 0x001E, DMI type 126, 9 bytes

Inactive

Handle 0x001F, DMI type 126, 9 bytes

Inactive

Handle 0x0020, DMI type 126, 9 bytes

Inactive

Handle 0x0021, DMI type 126, 9 bytes

Inactive

Handle 0x0022, DMI type 126, 9 bytes

Inactive

Handle 0x0023, DMI type 126, 9 bytes

Inactive

Handle 0x0024, DMI type 126, 9 bytes

Inactive

Handle 0x0025, DMI type 126, 9 bytes

Inactive

Handle 0x0026, DMI type 126, 9 bytes

Inactive

Handle 0x0027, DMI type 9, 17 bytes

System Slot Information

Designation: ExpressCard Slot
Type: x1 PCI Express
Current Usage: Available
Length: Other
ID: 1
Characteristics:
Hot-plug devices are supported
Bus Address: 0000:00:00.0

Handle 0x0028, DMI type 9, 17 bytes

System Slot Information

Designation: Media Card Slot
Type: Other
Current Usage: Available
Length: Other
Characteristics:
Hot-plug devices are supported
Bus Address: 0000:00:00.0

Handle 0x0029, DMI type 126, 17 bytes

Inactive

Handle 0x002A, DMI type 10, 6 bytes

On Board Device Information

Type: Other

Status: Disabled

Description: IBM Embedded Security hardware

Handle 0x002B, DMI type 12, 5 bytes

System Configuration Options

Handle 0x002C, DMI type 13, 22 bytes

BIOS Language Information

Language Description Format: Abbreviated

Installable Languages: 7

en-US

fr-FR

ja-JP

ko-KR

zh-CHT

zh-CHS

ru-RU

Currently Installed Language: en-US

Handle 0x002D, DMI type 22, 26 bytes

Portable Battery

Location: Rear

Manufacturer: SMP

Name: 45N1045

Design Capacity: 42770 mWh

Design Voltage: 10800 mV

SBDS Version: 01.00

Maximum Error: Unknown

SBDS Serial Number: 1809

SBDS Manufacture Date: 1980-00-10

SBDS Chemistry: LION

OEM-specific Information: 0x00000000

Handle 0x002E, DMI type 18, 23 bytes

32-bit Memory Error Information

Type: OK
Granularity: Unknown
Operation: Unknown
Vendor Syndrome: Unknown
Memory Array Address: Unknown
Device Address: Unknown
Resolution: Unknown

Handle 0x002F, DMI type 21, 7 bytes

Built-in Pointing Device

Type: Track Point
Interface: PS/2
Buttons: 3

Handle 0x0030, DMI type 21, 7 bytes

Built-in Pointing Device

Type: Touch Pad
Interface: PS/2
Buttons: 2

Handle 0x0031, DMI type 131, 22 bytes

OEM-specific Type

Header and Data:

83 16 31 00 01 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 01

Strings:

TVT-Enablement

Handle 0x0032, DMI type 136, 6 bytes

OEM-specific Type

Header and Data:

88 06 32 00 5A 5A

Handle 0x0033, DMI type 135, 74 bytes

OEM-specific Type

Header and Data:

87 4A 33 00 54 50 07 02 42 41 59 20 49 2F 4F 20
03 00 06 FF 00 00 00 00 00 00 00 00 FF 00 00 00 00
00 00 00 FF 00 00 00 00 00 00 00 00 FF 00 00 00 00
00 00 00 FF 00 00 00 00 00 00 00 00 FF 00 00 00 00
00 00 00 06 04 00 FF FF FF FF

Handle 0x0034, DMI type 133, 5 bytes

OEM-specific Type

Header and Data:

85 05 34 00 01

Strings:

KH0IHGIUCCHII

Handle 0x0035, DMI type 135, 10 bytes

OEM-specific Type

Header and Data:

87 0A 35 00 54 50 07 03 01 07

Handle 0x0036, DMI type 135, 10 bytes

OEM-specific Type

Header and Data:

87 0A 36 00 54 50 07 03 01 07

Handle 0x0037, DMI type 15, 81 bytes

System Event Log

Area Length: 50 bytes
Header Start Offset: 0x0000
Header Length: 16 bytes
Data Start Offset: 0x0010
Access Method: General-purpose non-volatile data functions
Access Address: 0x00F0
Status: Valid, Not Full
Change Token: 0x00000002
Header Format: Type 1
Supported Log Type Descriptors: 29
Descriptor 1: Single-bit ECC memory error
Data Format 1: Multiple-event handle
Descriptor 2: Multi-bit ECC memory error
Data Format 2: Multiple-event handle
Descriptor 3: Parity memory error
Data Format 3: None
Descriptor 4: Bus timeout
Data Format 4: None
Descriptor 5: I/O channel block
Data Format 5: None
Descriptor 6: Software NMI
Data Format 6: None
Descriptor 7: POST memory resize
Data Format 7: None
Descriptor 8: POST error
Data Format 8: POST results bitmap
Descriptor 9: PCI parity error
Data Format 9: None
Descriptor 10: PCI system error
Data Format 10: None
Descriptor 11: CPU failure
Data Format 11: None
Descriptor 12: EISA failsafe timer timeout
Data Format 12: None
Descriptor 13: Correctable memory log disabled
Data Format 13: None
Descriptor 14: Logging disabled
Data Format 14: None
Descriptor 15: System limit exceeded
Data Format 15: None
Descriptor 16: Asynchronous hardware timer expired
Data Format 16: None
Descriptor 17: System configuration information

Data Format 17: None
Descriptor 18: Hard disk information
Data Format 18: None
Descriptor 19: System reconfigured
Data Format 19: None
Descriptor 20: Uncorrectable CPU-complex error
Data Format 20: None
Descriptor 21: Log area reset/cleared
Data Format 21: None
Descriptor 22: System boot
Data Format 22: None
Descriptor 23: OEM-specific
Data Format 23: None
Descriptor 24: OEM-specific
Data Format 24: None
Descriptor 25: OEM-specific
Data Format 25: None
Descriptor 26: OEM-specific
Data Format 26: None
Descriptor 27: OEM-specific
Data Format 27: None
Descriptor 28: OEM-specific
Data Format 28: None
Descriptor 29: OEM-specific
Data Format 29: None

Handle 0x0038, DMI type 24, 5 bytes

Hardware Security

Power-On Password Status: Disabled
Keyboard Password Status: Not Implemented
Administrator Password Status: Disabled
Front Panel Reset Status: Not Implemented

Handle 0x0039, DMI type 132, 7 bytes

OEM-specific Type

Header and Data:
84 07 39 00 01 C3 36

Handle 0x003A, DMI type 135, 18 bytes

OEM-specific Type

Header and Data:

87 12 3A 00 54 50 07 01 01 D4 00 00 00 00 00 00
00 00

Handle 0x003B, DMI type 140, 43 bytes

OEM-specific Type

Header and Data:

8C 2B 3B 00 4C 45 4E 4F 56 4F 0B 08 01 FF FF FF
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
FF FF FF FF FF FF FF FF FF FF FF

Handle 0xFEFF, DMI type 127, 4 bytes

End Of Table

Floating Point Performance

single-core scalar : 1.44Gflops

multi-core scalar: 5.29Gflops