



FAIL

2/4/2025, 10:03:52 AM

# Hardware Diagnostics Log

## Model

Legion Slim 5 16APH8

Final Result Code: W3KXM6JBQVSX-VJNELE

Product Name	82Y9000QUS
Serial Number	MP2MLENM
Wireless Mac Address 1	B8:1E:A4:AD:DD:BD
BIOS Version	M3CN44WW

## Environment

Application Version	Lenovo Diagnostics Evolution 5.14.2.5
Addin Version	3.7.0.16
Experience Version	1.10.21
Shell Version	10.2411.25.0
Bridge Version	2311.1.6

## Test Result

Total Modules Tested: 13      Pass: 12      Fail: 1      Warning: 0      Cancelled: 0      N/A: 0

<a href="#">Battery</a>	FAIL
<a href="#">Display</a>	PASS
<a href="#">Audio Controller</a>	PASS

<a href="#">Audio Controller</a>	PASS
<a href="#">Audio Controller</a>	PASS
<a href="#">Processor</a>	PASS
<a href="#">Display Interface</a>	PASS
<a href="#">Video Card</a>	PASS
<a href="#">Video Card</a>	PASS
<a href="#">Wireless</a>	PASS
<a href="#">Storage</a>	PASS
<a href="#">Motherboard</a>	PASS
<a href="#">Memory</a>	PASS

Start Date and Time	2/4/2025, 10:03:52 AM
End Date and Time	2/4/2025, 10:06:46 AM

# Battery

Battery

Result Code: WBA0000100001-RL9WQG

## RESOURCES

Index	0
Chemistry	LiP
Manufacturer	BYD
Serial Number	345
Design Voltage	15.44 Volts
Full Charge Capacity	0.04 Wh (2 MAh)
Design Capacity	80 Wh (5181 MAh)
Cycle Count	36
FRU Part Number	L22B4PC2
Firmware Version	280008-60102
Driver Version	10.0.22621.1

TESTS

Battery Health Test

2/4/2025, 10:03:52 AM

Fail (0s)

Display

Generic Display

Result Code: WMO000G000000-RL9WQG

Display Index	1
Current Resolution	1920x1200
Manufacturer ID	CMN
EDID Version	1.4
Native Resolution	1920x1200
Screen Size	34cm X 22cm
Input Type	Digital
Driver Version	10.0.22621.4391

TESTS

Resolution Fitting Test

2/4/2025, 10:03:53 AM

Pass (0s)

Audio Controller

Audio Controller

Result Code: WAC0000300000-RL9WQG

Manufacturer	AMD
High Definition Audio Specification	1.0
Number Of Input Streams	0
Number Of Output Streams	4
Number Of Bidirectional Streams	0
Driver Version	10.0.22621.4391

TESTS

# Audio Controller

Audio Controller

Result Code: WAC0000700000-RL9WQG

Manufacturer	NVIDIA
High Definition Audio Specification	1.0
Number Of Input Streams	4
Number Of Output Streams	4
Number Of Bidirectional Streams	0
Driver Version	10.0.22621.4391

## TESTS

CORB Status Test	2/4/2025, 10:03:59 AM	Pass (0s)
Output Stream Test	2/4/2025, 10:03:59 AM	Pass (5s)
Input Stream Test	2/4/2025, 10:04:04 AM	Pass (5s)

# Audio Controller

Audio Controller

Result Code: WAC0000700000-RL9WQG

Manufacturer	AMD
High Definition Audio Specification	1.0
Number Of Input Streams	4
Number Of Output Streams	4
Number Of Bidirectional Streams	0
Driver Version	10.0.22621.4391

## TESTS

CORB Status Test	2/4/2025, 10:04:09 AM	Pass (0s)
Output Stream Test	2/4/2025, 10:04:09 AM	Pass (5s)

Input Stream Test

2/4/2025, 10:04:15 AM

Pass (5s)

Processor

AMD Ryzen 5 7640HS W/ Radeon 760M Graphics

Result Code: WCP0003E00000-RL9WQG

Model	AMD Ryzen 5 7640HS W/ Radeon 760M Graphics
Vendor	AMD
Number Of Cores	6
Number Of Threads	12
Signature	A70F41h
Current Speed	4.281880 GHz
Features	ADX, AES, AMD64, AVX, AVX2, BMI2, CLMUL, FMA, HTT, MMX, NX, PSE, PSE36, RDRAND, RDSEED, SSE, SSE2, SSE3, SSE4.1, SSE4.2, SSSE3, X87
Cache L1	6 X 32 KB CPU_DATA_CACHE, 6 X 32 KB CPU_INSTRUCTION_CACHE
Cache L2	6 X 1024 KB CPU_UNIFIED_CACHE
Cache L3	16 MB CPU_UNIFIED_CACHE
Driver Version	10.0.22621.4391

TESTS

BT Instruction Test	2/4/2025, 10:04:20 AM	Pass (0s)
X87 Floating Point Test	2/4/2025, 10:04:20 AM	Pass (0s)
MMX Test	2/4/2025, 10:04:20 AM	Pass (0s)
SSE Test	2/4/2025, 10:04:20 AM	Pass (0s)
AES Test	2/4/2025, 10:04:20 AM	Pass (0s)

Display Interface

Generic Display

Result Code: WDI0000300000-RL9WQG

Display Index	1
Current Resolution	1920x1200

2/4/25, 10:11 AM		Hardware Diagnostics Log	
Manufacturer ID		CMN	
EDID Version		1.4	
Native Resolution		1920x1200	
Screen Size		34cm X 22cm	
Input Type		Digital	
Driver Version		10.0.22621.4391	

TESTS

EDID Checksum Test	2/4/2025, 10:04:20 AM	Pass (0s)
Display Communication Test	2/4/2025, 10:04:20 AM	Pass (2s)

Video Card

AMD Radeon(TM) 760M

Result Code: WVC0600500000-RL9WQG

Location	PCI Bus 5, Device 0, Function 0	
Driver Version	31.0.14005.22001	
Vendor ID	1002	
Device ID	15BF	
Video Card Memory	426 MB	

TESTS

Video Memory Test	2/4/2025, 10:04:21 AM	Pass (4s)
Texture Pipeline Test	2/4/2025, 10:04:25 AM	Pass (31s)
DirectCompute Standard Mathematical Operations Test	2/4/2025, 10:04:56 AM	Pass (0s)
DirectCompute Advanced Mathematical Operations Test	2/4/2025, 10:04:56 AM	Pass (0s)

Video Card

NVIDIA GeForce RTX 4060 Laptop GPU

Result Code: WVC0600500000-RL9WQG

Location	PCI Bus 1, Device 0, Function 0	
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2/4/25, 10:11 AM

Hardware Diagnostics Log

Driver Version	32.0.15.6614
Vendor ID	10DE
Device ID	28E0
Video Card Memory	7957 MB

TESTS

Video Memory Test	2/4/2025, 10:04:57 AM	Pass (3s)
Texture Pipeline Test	2/4/2025, 10:05:00 AM	Pass (31s)
DirectCompute Standard Mathematical Operations Test	2/4/2025, 10:05:31 AM	Pass (0s)
DirectCompute Advanced Mathematical Operations Test	2/4/2025, 10:05:31 AM	Pass (0s)

Wireless

Realtek 8852CE WiFi 6E PCI-E NIC

Result Code: WWF0000700000-RL9WQG

Driver Version	6001.16.126.308
MAC Address	B8:1E:A4:AD:DD:BD
Manufacturer	Realtek Semiconductor Corp.
Name	{966E34BD-CAA7-4811-967D-8404A37946D8}
Product Name	Wi-Fi

TESTS

Radio Enabled Test	2/4/2025, 10:05:31 AM	Pass (0s)
Network Scan Test	2/4/2025, 10:05:31 AM	Pass (0s)
Signal Strength Test	2/4/2025, 10:05:31 AM	Pass (0s)

Storage

SAMSUNG MZVL2512HDJD-00BL2 - 476.94 GBs

Result Code: WHD3O90000000-RL9WQG

Model	SAMSUNG MZVL2512HDJD-00BL2
Serial	S6Z5NE0W703281

Current 8S Label	8SSSS1J82103G2KA371036H
Firmware	5L1QGXD7
Protocol	NVMe
Location	Local Devices
Size	476.94 GBs
Temperature	46 °C
Logical Sector Size	512
Logical Sectors	1000215216
Partition Schema	GPT
Unallocated	1.34 MBs
Driver Version	10.0.22621.4391
Recover Bad Sectors	Not Supported

RESOURCES

Index	1
Partition Type	EFI System Partition
Size	260.00 MBs
Index	2
Partition Type	Microsoft Reserved Partition
Size	16.00 MBs
Index	3
Partition Type	Windows Basic Data Partition
File System	Ntfs
Label	Windows-SSD
Mount Point	C:\
Serial	504CD434
Used	400.43 GBs



2/4/25, 10:11 AM		Hardware Diagnostics Log	
Free		74.29 GBs	
Size		474.72 GBs	
Index		4	
Partition Type		Windows Recovery Environment	
Size		1.95 GBs	

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TESTS

SMART Wearout Test	2/4/2025, 10:05:31 AM	Pass (0s)
NVME Controller Status Test	2/4/2025, 10:05:31 AM	Pass (0s)
NVME SMART Temperature Test	2/4/2025, 10:05:31 AM	Pass (0s)
NVME SMART Reliability Test	2/4/2025, 10:05:31 AM	Pass (0s)
NVME SMART Spare Space Test	2/4/2025, 10:05:31 AM	Pass (0s)
Device Read Test	2/4/2025, 10:05:31 AM	Pass (3s)

Motherboard

Motherboard

Result Code: WMB0000F00000-RL9WQG

Number Of USB Host Controllers	4
Number Of PCI	39
RTC Presence	Yes

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RESOURCES

Index	1
Slot	00:01.0
Device Connected	NO
Vendor ID	1022h
Vendor Name	Not Available
Class	0006h

Class Name	Not Available
Subclass	0000h
Subclass Name	Not Available

Index	2
Slot	00:02.0
Device Connected	NO
Vendor ID	1022h
Vendor Name	Not Available
Class	0006h
Class Name	Not Available
Subclass	0000h
Subclass Name	Not Available

Index	3
Slot	00:03.0
Device Connected	NO
Vendor ID	1022h
Vendor Name	Not Available
Class	0006h
Class Name	Not Available
Subclass	0000h
Subclass Name	Not Available

Index	4
Slot	00:04.0
Device Connected	NO
Vendor ID	1022h
Vendor Name	Not Available

Class	0006h
Class Name	Not Available
Subclass	0000h
Subclass Name	Not Available

Index	5
Slot	00:08.0
Device Connected	NO
Vendor ID	1022h
Vendor Name	Not Available
Class	0006h
Class Name	Not Available
Subclass	0000h
Subclass Name	Not Available

Index	6
Slot	05:00.0
Device Connected	NO
Vendor ID	1002h
Vendor Name	Not Available
Class	0003h
Class Name	Not Available
Subclass	0000h
Subclass Name	Not Available

Index	7
Slot	07:00.0
Device Connected	NO
Vendor ID	1022h

Vendor Name	Not Available
Class	0013h
Class Name	Not Available
Subclass	0000h
Subclass Name	Not Available

Index	8
Slot	00:18.7
Device Connected	NO
Vendor ID	1022h
Vendor Name	Not Available
Class	0006h
Class Name	Not Available
Subclass	0000h
Subclass Name	Not Available

Index	9
Slot	01:00.0
Device Connected	YES
Vendor ID	10DEh
Vendor Name	Not Available
Class	0003h
Class Name	Not Available
Subclass	0000h
Subclass Name	Not Available

Index	10
Slot	00:18.4
Device Connected	NO

Vendor ID	1022h
Vendor Name	Not Available
Class	0006h
Class Name	Not Available
Subclass	0000h
Subclass Name	Not Available

Index	11
Slot	00:14.3
Device Connected	NO

Vendor ID	1022h
Vendor Name	Not Available
Class	0006h
Class Name	Not Available
Subclass	0001h
Subclass Name	Not Available

Index	12
Slot	05:00.5
Device Connected	NO
Vendor ID	1022h
Vendor Name	Not Available
Class	0004h
Class Name	Not Available
Subclass	0080h
Subclass Name	Not Available

Index	13
Slot	04:00.0

Device Connected	YES
Vendor ID	144Dh
Vendor Name	Not Available
Class	0001h
Class Name	Not Available
Subclass	0008h
Subclass Name	Not Available

Index	14
Slot	00:18.1
Device Connected	NO
Vendor ID	1022h
Vendor Name	Not Available
Class	0006h
Class Name	Not Available
Subclass	0000h
Subclass Name	Not Available

Index	15
Slot	07:00.3
Device Connected	NO
Vendor ID	1022h
Vendor Name	Not Available
Class	000Ch
Class Name	Not Available
Subclass	0003h
Subclass Name	Not Available

Index	16
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Slot	00:02.1
Device Connected	NO
Vendor ID	1022h
Vendor Name	Not Available
Class	0006h
Class Name	Not Available
Subclass	0004h
Subclass Name	Not Available

Index	17
Slot	00:02.2
Device Connected	NO
Vendor ID	1022h
Vendor Name	Not Available
Class	0006h
Class Name	Not Available
Subclass	0004h
Subclass Name	Not Available

Index	18
Slot	00:18.6
Device Connected	NO
Vendor ID	1022h
Vendor Name	Not Available
Class	0006h
Class Name	Not Available
Subclass	0000h
Subclass Name	Not Available

Index	19
Slot	02:00.0
Device Connected	YES
Vendor ID	10ECh
Vendor Name	Not Available
Class	0002h
Class Name	Not Available
Subclass	0000h
Subclass Name	Not Available

Index	20
Slot	00:00.0
Device Connected	NO
Vendor ID	1022h
Vendor Name	Not Available
Class	0006h
Class Name	Not Available
Subclass	0000h
Subclass Name	Not Available

Index	21
Slot	00:14.0
Device Connected	NO
Vendor ID	1022h
Vendor Name	Not Available
Class	000Ch
Class Name	Not Available
Subclass	0005h
Subclass Name	Not Available



Index	22
Slot	00:18.3
Device Connected	NO
Vendor ID	1022h
Vendor Name	Not Available
Class	0006h
Class Name	Not Available
Subclass	0000h
Subclass Name	Not Available

Index	23
Slot	05:00.2
Device Connected	NO
Vendor ID	1022h
Vendor Name	Not Available
Class	0010h
Class Name	Not Available
Subclass	0080h
Subclass Name	Not Available

Index	24
Slot	07:00.4
Device Connected	NO
Vendor ID	1022h
Vendor Name	Not Available
Class	000Ch
Class Name	Not Available
Subclass	0003h
Subclass Name	Not Available

Index	25
Slot	05:00.1
Device Connected	NO
Vendor ID	1002h
Vendor Name	Not Available
Class	0004h
Class Name	Not Available
Subclass	0003h
Subclass Name	Not Available

Index	26
Slot	00:18.0
Device Connected	NO
Vendor ID	1022h
Vendor Name	Not Available
Class	0006h
Class Name	Not Available
Subclass	0000h
Subclass Name	Not Available

Index	27
Slot	00:01.1
Device Connected	NO
Vendor ID	1022h
Vendor Name	Not Available
Class	0006h
Class Name	Not Available
Subclass	0004h

Subclass Name	Not Available
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Index	28
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Slot	00:02.3
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Device Connected	NO
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Vendor ID	1022h
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Vendor Name	Not Available
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Class	0006h
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Class Name	Not Available
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Subclass	0004h
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Subclass Name	Not Available
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Index	29
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Slot	00:18.5
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Device Connected	NO
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Vendor ID	1022h
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Vendor Name	Not Available
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Class	0006h
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Class Name	Not Available
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Subclass	0000h
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Subclass Name	Not Available
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Index	30
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Slot	05:00.3
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Device Connected	NO
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Vendor ID	1022h
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Vendor Name	Not Available
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Class	000Ch
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Class Name	Not Available
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Subclass	0003h
Subclass Name	Not Available

Index	31
Slot	05:00.4
Device Connected	NO
Vendor ID	1022h
Vendor Name	Not Available
Class	000Ch
Class Name	Not Available
Subclass	0003h
Subclass Name	Not Available

Index	32
Slot	01:00.1
Device Connected	YES
Vendor ID	10DEh
Vendor Name	Not Available
Class	0004h
Class Name	Not Available
Subclass	0003h
Subclass Name	Not Available

Index	33
Slot	05:00.6
Device Connected	NO
Vendor ID	1022h
Vendor Name	Not Available
Class	0004h

Class Name	Not Available
Subclass	0003h
Subclass Name	Not Available

Index	34
Slot	00:08.1
Device Connected	NO
Vendor ID	1022h
Vendor Name	Not Available
Class	0006h
Class Name	Not Available
Subclass	0004h
Subclass Name	Not Available

Index	35
Slot	00:08.2
Device Connected	NO
Vendor ID	1022h
Vendor Name	Not Available
Class	0006h
Class Name	Not Available
Subclass	0004h
Subclass Name	Not Available

Index	36
Slot	00:08.3
Device Connected	NO
Vendor ID	1022h
Vendor Name	Not Available

<b>Class</b>	0006h
<b>Class Name</b>	Not Available
<b>Subclass</b>	0004h
<b>Subclass Name</b>	Not Available

<b>Index</b>	37
<b>Slot</b>	03:00.0
<b>Device Connected</b>	YES
<b>Vendor ID</b>	10ECh
<b>Vendor Name</b>	Not Available
<b>Class</b>	0002h
<b>Class Name</b>	Not Available
<b>Subclass</b>	0080h
<b>Subclass Name</b>	Not Available

<b>Index</b>	38
<b>Slot</b>	06:00.0
<b>Device Connected</b>	NO
<b>Vendor ID</b>	1022h
<b>Vendor Name</b>	Not Available
<b>Class</b>	0013h
<b>Class Name</b>	Not Available
<b>Subclass</b>	0000h
<b>Subclass Name</b>	Not Available

<b>Index</b>	39
<b>Slot</b>	00:18.2
<b>Device Connected</b>	NO
<b>Vendor ID</b>	1022h

Vendor Name	Not Available
Class	0006h
Class Name	Not Available
Subclass	0000h
Subclass Name	Not Available

Index	40
USB Version	2.0
Class Name	-
Subclass Name	-
Vendor ID	04F2h
Product ID	B7B6h
Vendor	Not Available
Product	Not Available

Index	41
USB Version	2.0
Class Name	Wireless
Subclass Name	Radio Frequency
Vendor ID	0BDAh
Product ID	5852h
Vendor	Not Available
Product	Not Available

Index	42
USB Version	2.0
Class Name	Human Interface Device (HID)
Subclass Name	Boot Interface Subclass
Vendor ID	048Dh

Product ID	C982h
Vendor	ITE Tech. Inc.
Product	ITE Device(8176)
Index	43
USB Version	2.0
Class Name	Human Interface Device (HID)
Subclass Name	Boot Interface Subclass
Vendor ID	048Dh
Product ID	C984h
Vendor	ITE Tech. Inc.
Product	ITE Device(8295)

TESTS

Chipset Test	2/4/2025, 10:05:34 AM	Pass (0s)
PCI/PCI-E Test	2/4/2025, 10:05:35 AM	Pass (0s)
RTC Test	2/4/2025, 10:05:35 AM	Pass (8s)
USB Test	2/4/2025, 10:05:42 AM	Pass (1s)

Memory

Physical Memory

Result Code: WME0080000000-RL9WQG

Physical Memory	16.000 GB
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RESOURCES

Index	0
Manufacturer	Micron Technology
Speed	5600 MHz
Size	8.000 GB



Part Number	MTC4C10163S1SC56BD1
Serial	4513D46E
Type	DDR5
Index	1
Manufacturer	Micron Technology
Speed	5600 MHz
Size	8.000 GB
Part Number	MTC4C10163S1SC56BD1
Serial	450FB163
Type	DDR5

TESTS

Quick Random Pattern Test	2/4/2025, 10:05:42 AM	Pass (64s)
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