OVERVIEW



1. USB 3.2 Gen 1	5. Ethernet (RJ-45)
2. USB 3.2 Gen 1	6. USB-C 3.2 Gen 2
3. Headphone / microphone combo jack (3.5mm)	7. Power connector
4. HDMI 2.0	

PERFORMANCE

Processor

Processor Family

AMD Ryzen[™] 5 / 7 Processor

Processor**

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Memory Support	Processor Graphics
AMD Ryzen 5 6600H	6	12	3.3GHz	4.5GHz	3MB L2 / 16MB L3	DDR5-4800	AMD Radeon™ 660M Graphics
AMD Ryzen 7 6800H	8	16	3.2GHz	4.7GHz	4MB L2 / 16MB L3	DDR5-4800	AMD Radeon 680M Graphics

Operating System

Operating System**

- Windows® 11 Pro
- Windows 11 Home
- Windows 11 Home Single Language
- No operating system

Graphics

Graphics**

Graphics	Туре	Memory	Boost Clock	TGP	Key Features
NVIDIA® GeForce RTX™ 3050 Laptop GPU	Discrete	4GB GDDR6	1740 MHz	85W	Resizable BAR, Dynamic Boost 2.0, DirectX® 12 Ultimate
NVIDIA GeForce RTX 3050 Ti Laptop GPU	Discrete	4GB GDDR6	1695 MHz	85W	Resizable BAR, Dynamic Boost 2.0, DirectX 12 Ultimate

Monitor Support

Monitor Support

Supports up to 3 independent displays (native display and 2 external monitors via HDMI® and USB-C®)

• HDMI supports up to 4K@60Hz

 \bullet USB-C supports up to 5K@60Hz

Chipset

Chipset

AMD SoC (System on Chip) platform

Memory

Max Memory^[1]

Up to 16GB DDR5-4800 offering

Memory Slots

Two DDR5 SO-DIMM slots, dual-channel capable

Memory Type

DDR5-4800

Notes:

1. The max memory is based on the test results with current Lenovo® memory offerings. The system may support more memory as the technology develops.

Storage

Storage Support^[1]

Up to two drives, 2x M.2 SSD

Lenovo

• M.2 2280 SSD up to 1TB

• M.2 2242 SSD up to 1TB

Storage Slot

Two M.2 slots

• One M.2 2242 PCIe® 4.0 x4 slot

• One M.2 2280 PCIe 4.0 x4 slot

Storage Type**

Disk Type	Interface	Offering		
M.2 2242 SSD	PCIe NVMe®, PCIe 4.0 x4	256GB / 512GB / 1TB		
M.2 2280 SSD	PCIe NVMe, PCIe 3.0 x4	512GB / 1TB		

Notes:

1. The storage capacity supported is based on the test results with current Lenovo storage offerings. The system may support larger storage as the technology develops.

Removable Storage

Card Reader

No card reader

Multi-Media

Audio Chip

High Definition (HD) Audio, Realtek® ALC3287 codec

Speakers

Stereo speakers, 2W x2, Nahimic Audio

Microphone

Dual-microphone array

Camera

FHD 1080p, with privacy shutter, fixed focus

Battery

Battery

Integrated Li-Polymer 71Wh battery, supports Rapid Charge Boost (get 2 hours of runtime with a 15-minute charge) **Max Battery Life**^[1]

MobileMark® 2018: 10.3 hr Local video (1080p) playback@150nits: 17.7 hr

Notes:

Power Adapter

Power Adapter**[1]

- 135W slim tip (3-pin) AC adapter, 100-240V, 50-60Hz
- 170W slim tip (3-pin) AC adapter, 100-240V, 50-60Hz

Notes:

1. AC adapter offerings depend on the country.

DESIGN

Display

Display**[1]

^{1.} All battery life claims are approximate maximum and based on results using the MobileMark 2014, MobileMark 2018, JEITA 2.0, continuous 1080p video playback (with 150nits brightness and default volume level) or Google Power Load Test (PLT) battery-life benchmark tests. Actual battery life will vary and depends on many factors such as product configuration and usage, software use, wireless functionality, power management settings, and screen brightness. The maximum capacity of the battery will decrease with time and use.

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PSREF Product Specifications Reference

Size	Resolution	Touch	Туре	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle	Key Features
16″	WUXGA (1920x1200)	None	IPS	350 nits	Anti- glare	16:10	1200:1	100% sRGB	178°	Refresh rate 165Hz, AMD FreeSync™, DC dimmer
16″	WQXGA (2560x1600)	None	IPS	500 nits	Anti- glare	16:10	1200:1	100% sRGB	160°	Refresh rate 165Hz, AMD FreeSync, DC dimmer

Touchscreen

Non-touch

Notes:

1. California Electronic Waste Recycling Fee

In California, per state law, Lenovo charges an electronic waste recycling fee on this covered device at the time of sale of the product. For more information, go to https://www.calrecycle.ca.gov/Electronics/Consumer

Input Device

Keyboard

6-row, multimedia Fn keys, numeric keypad

Keyboard Backlight**

- 4-Zone RGB backlight
- White backlight

Touchpad

Buttonless Mylar[®] surface multi-touch touchpad, 75 x 120 mm (2.95 x 4.72 inches)

Mechanical^{III}

Dimensions (WxDxH)

359.6 x 277.8 x 20.9 mm (14.16 x 10.94 x 0.82 inches)

Weight

Around 2.5 kg (5.5 lbs)

Case Color

Onyx grey

Surface Treatment

Painting

Case Material

PC-ABS (top), PC-ABS (bottom)

Notes:

1. The system dimensions and weight vary depending on configurations.

CONNECTIVITY

Network

Ethernet

Gigabit Ethernet, 1x RJ-45

WLAN + Bluetooth®[1]

Wi-Fi[®] 6, 802.11ax 2x2 Wi-Fi + Bluetooth 5.1, M.2 card

Notes:

1. Bluetooth 5.2 is hardware ready but may run at a lower version due to OS limitation

Ports^{III}

Standard Ports

• 2x USB 3.2 Gen 1

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Lenovo

- 1x USB-C 3.2 Gen 2 (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 1x HDMI 2.0
- 1x Ethernet (RJ-45)
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Power connector

Notes:

- 1. The transfer speed of following ports will vary and, depending on many factors, such as the processing speed of the host device, file attributes and other factors related to system configuration and your operating environment, will be slower than theoretical speed. USB 2.0: 480 Mbit/s:
 - USB 3.2 Gen 1 (SuperSpeed USB 5Gbps, formerly USB 3.0 / USB 3.1 Gen 1): 5 Gbit/s;
 - USB 3.2 Gen 2 (SuperSpeed USB 10Gbps, formerly USB 3.1 Gen 2): 10 Gbit/s;
 - USB 3.2 Gen 2x2 (SuperSpeed USB 20Gbps): 20 Gbit/s;

Thunderbolt[™] 3/4: 40 Gbit/s

SECURITY & PRIVACY

Security

Security Chip

Firmware TPM 2.0 integrated in SoC

Fingerprint Reader

No fingerprint reader

BIOS Security

- Administrator password
- Power-on password
- Hard disk password
- Self-healing BIOS

Other Security

Camera privacy shutter

SERVICE

Warranty

Base Warranty**

- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 2-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) courier or carry-in service

ENVIRONMENTAL

Operating Environment

Temperature

- Operating: 0°C (32°F) to 40°C (104°F)
- Storage: -20°C (-4°F) to 60°C (140°F)
- Maximum temperature when operating under unpressurized conditions: 31.3°C (88°F)

Humidity

- Operating: 0% to 90% at wet-bulb temperature 23°C (73°F)
- Storage: 20% to 90% at wet-bulb temperature 27°C (81°F)

Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

ACCESSORIES

Bundled Accessories

Bundled Accessories

- Lenovo Gaming M100 RGB Mouse (USB connector)
- None

CERTIFICATIONS

Green Certifications

Green Certifications

- ErP Lot 3
- RoHS compliant
- Feature with ** means that only one offering listed under the feature is configured on selected models.
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