

OVERVIEW



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|--|--|
| 1. Bluetooth keyboard switch button | 5. Thunderbolt 4 |
| 2. Power button | 6. Headphone / microphone combo jack (3.5mm) |
| 3. Volume button | 7. microSD card reader |
| 4. USB-C 3.2 Gen 1 (data transfer / Always On) | 8. USB-C 3.2 Gen 1 (data transfer / PD 3.0 only) |

PERFORMANCE

Processor

Processor Family

11th Generation Intel® Core™ i3 / i5 / i7 Processor

Processor**[1]

| Processor Name | Cores | Threads | Base Frequency | Max Frequency | Cache | Processor Graphics |
|----------------|-------|---------|----------------|---------------|-------|-------------------------|
| Core i5-1135G7 | 4 | 8 | 2.4GHz | 4.2GHz | 8MB | Intel Iris® Xe Graphics |
| Core i7-1165G7 | 4 | 8 | 2.8GHz | 4.7GHz | 12MB | Intel Iris Xe Graphics |

Notes:

[1] Intel Iris Xe Graphics capability requires system to be configured with dual-channel memory. On the system with single-channel memory, Intel Iris Xe Graphics will function as Intel UHD Graphics.

Operating System

Operating System**

- Windows® 11 Pro
- Windows 11 Home
- Windows 11 Home Single Language
- Windows 10 Pro 64
- Windows 10 Home 64
- Windows 10 Home 64 Single Language
- No operating system

Graphics

Graphics

| Graphics | Type | Memory | Key Features |
|---------------------------|------------|--------|---------------|
| Intel Iris Xe Graphics[1] | Integrated | Shared | DirectX® 12.1 |

Notes:

[1] Intel Iris Xe Graphics capability requires system to be configured with dual-channel memory. On the system with single-channel memory, Intel Iris Xe Graphics will function as Intel UHD Graphics.

Monitor Support

Monitor Support

Supports up to 2 independent displays (native display and 1 external monitor via Thunderbolt™)

- Thunderbolt supports up to 7680x4320@30Hz

Chipset

Chipset

Intel SoC (System on Chip) platform

Memory

Max Memory**

- 8GB soldered memory, not upgradable
- 16GB soldered memory, not upgradable

Memory Slots

Memory soldered to systemboard, no slots, single-channel

Memory Type

DDR4-3200

Storage

Storage Support**[1]

- One drive, up to 1TB M.2 2242 SSD
- microSD card, supports FAT32 up to 256GB, exFAT up to 1TB

Storage Slot

One M.2 2242 PCIe® 3.0 x4 slot

Storage Type

| Disk Type | Interface | Offering |
|--------------|-------------------------|---------------------|
| M.2 2242 SSD | PCIe NVMe®, PCIe 3.0 x4 | 256GB / 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

Optical

None

Card Reader

microSD card reader

Multi-Media

Audio Chip

High Definition (HD) Audio

Speakers

Stereo speakers, 1W x2, optimized with Dolby® Audio™, Smart Amplifier (AMP)

Microphone

Dual-microphone array with noise-cancelling

Camera

Front 5.0MP, IR + RGB hybrid, fixed focus, rear 5.0MP, autofocus

Sensor

Sensors

- Accelerometer (G) sensor
- Ambient light sensor (ALS)
- Gyroscope sensor
- Hall sensor
- ToF sensor

Battery

Battery^[1]

Integrated Li-Polymer 41Wh battery, supports Rapid Charge Express (get 3 hours of runtime with a 15-minute charge)

Max Battery Life^[2]

MobileMark® 2018@200nits: 8 hr

Local video (1080p) playback@150nits: 12.3 hr

Notes:

[1] Rapid Charge Express is only effective in hibernates or fully shutting down the computer.

[2] All battery life claims are approximate maximum and based on results using the MobileMark 2014, MobileMark 2018, MobileMark 25, 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 depending 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.

Power Adapter

Power Adapter^{**[1]}

- 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C slim (2-pin, wall-mount) AC adapter, supports PD 3.0, 100-240V, 50-60Hz

Notes:

[1] AC adapter offerings depend on the country.

DESIGN

Display

Display^[1]

| Size | Resolution | Touch | Type | Brightness | Surface | Aspect Ratio | Contrast Ratio | Color Gamut | Viewing Angle (L/R/U/D) | Key Features |
|------|----------------|-------------|------|------------|--------------------------|--------------|----------------|-------------|-------------------------|--|
| 13" | 2K (2160x1350) | Multi-touch | IPS | 450 nits | Glossy, Anti-fingerprint | 16:10 | 1000:1 | 100% sRGB | 89°/89°/89°/89° | Corning® Gorilla® Glass 3, Dolby Vision™ |

Touchscreen

OGM (One Glass Metal mesh) multi-touch, supports 10-point touch

Notes:

[1] California Electronic Waste Recycling Fee
In California USA, 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, please go to <https://www.calrecycle.ca.gov/Electronics/Consumer>.

Input Device

Pen**

- Lenovo E-color Pen with built-in rechargeable battery, 4096 levels of pressure sensitivity. For more information, please read [Lenovo E-Color Pen Overview](#)
- Lenovo Digital Pen with replaceable AAAA alkaline battery, 4096 levels of pressure sensitivity. For more information, please read [Lenovo Digital Pen Overview](#)
- Lenovo Digital Pen without replaceable AAAA alkaline battery, 4096 levels of pressure sensitivity. For more information, please read [Lenovo Digital Pen Overview](#)
- No pen (purchase separately)

Keyboard

6-row, multimedia Fn keys (Bluetooth® 5.0 backlit keyboard)

Keyboard Backlight

LED backlight

Touchpad

Buttonless glass surface multi-touch touchpad, supports Precision TouchPad (PTP), 69 x 104 mm (2.72 x 4.09 inches)

Mechanical

Dimensions (WxDxH)^[1]

Pad: 297.4 x 207.4 x 9.19 mm (11.7 x 8.16 x 0.36 inches)
Folio keyboard: 297.4 x 221.2 x 6 mm (11.7 x 8.70 x 0.23 inches)

Weight^[2]

Pad: starting at 798.8 g (1.76 lbs)
Folio keyboard: starting at 369.5 g (0.81 lbs)
Total: starting at 1,168.3 g (2.57 lbs)

Case Color**

- Orchid
- Slate grey

Surface Treatment

Pad: metallic painting
Kickstand: metallic painting

Case Material

Magnesium-aluminium + PC-ABS (top), PC-ABS with fabric (bottom)

Others

Buttons: power key with LED, volume key

Notes:

[1] The system dimensions may vary depending on configurations.

[2] The system weight is approximate and based on results in Lenovo lab, which varies depending on the source of component, variance of the distribution of each component, and manufacturing process. It may not be the exact weight for each specific model.

CONNECTIVITY

Network

WLAN + Bluetooth^[1]

Wi-Fi® 6, 802.11ax 2x2 Wi-Fi + Bluetooth 5.0

Notes:

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

Ports^[1]

Standard Ports

- 1x USB-C 3.2 Gen 1 (support data transfer and Always On)
- 1x USB-C 3.2 Gen 1 (support data transfer and Power Delivery 3.0)
- 1x Thunderbolt 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 1x microSD card reader
- 1x Headphone / microphone combo jack (3.5mm)

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;

USB4 20Gbps / USB 3.2 Gen 2x2 (SuperSpeed USB 20Gbps): 20 Gbit/s;

USB4 40Gbps (USB 40Gbps): 40 Gbit/s;

Thunderbolt 3/4: 40 Gbit/s

Docking

Docking

Folio Keyboard with touchpad (Pogo pin, detachable)

SECURITY & PRIVACY

Security

Security Chip

Firmware TPM 2.0 integrated in SoC

Fingerprint Reader

No fingerprint reader

BIOS Security

- Administrator password
- User password
- Master hard disk password
- User hard disk password

Other Security

IR camera for Windows Hello

SERVICE

Warranty^[1]

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

Notes:

[1] The warranty upgrades may be bundled with some models, please check the "Included upgrade" column in the specific model's configurations. For more service extensions, please go to <https://smartfind.lenovo.com/>. To learn more details of warranty policy, please access <https://pcsupport.lenovo.com/warranty>.

ENVIRONMENTAL

Operating Environment

Temperature^[1]

- At altitudes up to 2438 m (8,000 ft)
 - Operating: 5°C to 35°C (41°F to 95°F)
 - Storage: 5°C to 43°C (41°F to 109°F)
- At altitudes above 2438 m (8,000 ft)
 - Maximum temperature when operating under the unpressurized condition: 31.3°C (88°F)

Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

Altitude

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

Notes:

[1] When you charge the battery, its temperature must be no lower than 10°C (50°F).

CERTIFICATIONS

Green Certifications^[1]

Green Certifications

- ENERGY STAR® 8.0
- ErP Lot 3
- RoHS compliant

Notes:

[1] The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration.

Other Certifications

Other Certifications

TÜV Rheinland® Low Blue Light (Software Solution)

- Feature with ** means that only one offering listed under the feature is configured on selected models.
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