## OVERVIEW



| 1. Power button | 4. Bluetooth pairing button |
|---|---|
| 2. Volume button | 5. USB-C (USB 5Gbps), Always On, PD 3.0 & DP 1.2 |
| 3. Headphone / microphone combo jack (3.5mm) | 6. USB-C (USB 5Gbps), with USB PD 3.0 & DP 1.2 |

# PERFORMANCE

## Processor

**Processor Family**

13th Generation Intel® U Series Core i3 / i5 / i7 Processor

**Processor**\*\*

| Processor Name | Cores | Threads | Base Frequency | Max Frequency | Cache | Processor Graphics |
|---|---|---|---|---|---|---|
| Core i3-1315U | 6 (2 P-core + 4 E-core) | 8 | P-core 1.2GHz / E-core 0.9GHz | P-core 4.5GHz / E-core 3.3GHz | 10MB | Intel® UHD Graphics |
| Core i5-1335U | 10 (2 P-core + 8 E-core) | 12 | P-core 1.3GHz / E-core 0.9GHz | P-core 4.6GHz / E-core 3.4GHz | 12MB | Intel® Iris® Xe Graphics |
| Core i7-1355U | 10 (2 P-core + 8 E-core) | 12 | P-core 1.7GHz / E-core 1.2GHz | P-core 5.0GHz / E-core 3.7GHz | 12MB | Intel® Iris® Xe Graphics |

## Operating System

**Operating System**\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 Home Single Language in S mode
- Windows® 11 Home in S mode
- No preload operating system

## Graphics

**Graphics**\*\*

| Graphics | Type | Memory | Key Features |
|---|---|---|---|
| Intel® UHD Graphics | Integrated | Shared | DirectX® 12.1 |
| Intel® Iris® Xe Graphics | Integrated | Shared | DirectX® 12.1 |

## Monitor Support

**Monitor Support**

Supports up to 3 independent displays (native display and 2 external monitors via USB-C®)
• USB-C® supports up to 3840x2160@60Hz

## 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, dual-channel

**Memory Type**

LPDDR4x-4266

## Storage

**Max Storage Support**[1]

One drive, up to 512GB M.2 2242 SSD

**Storage Slot**[2]

One M.2 2242 PCIe® 4.0 x4 slot

**Storage Type**\*\*

| Disk Type | Interface | Offering |
|---|---|---|
| M.2 2242 SSD | PCIe® NVMe®, PCIe® 3.0 x4 | 128GB |
| M.2 2242 SSD | PCIe® NVMe®, PCIe® 4.0 x4 | 256GB / 512GB |

Notes:

[1] The storage capacity supported is based on the test results with current Lenovo® storage offerings.

[2] The actual data transfer rate of the following PCIe® interface also depends on the capabilities of the connected PCIe® device. The listed values represent theoretical maximums.
PCIe® 3.0 (x2 / x4): 2 GB/s (16 Gbps) / 4 GB/s (32 Gbps);
PCIe® 4.0 (x2 / x4): 4 GB/s (32 Gbps) / 8 GB/s (64 Gbps);
PCIe® 5.0 (x2 / x4): 8 GB/s (64 Gbps) / 16 GB/s (128 Gbps).

## Removable Storage

**Card Reader**

No card reader

## Multi-Media

**Audio Chip**

High Definition (HD) Audio, Realtek® ALC3287 codec

**Speakers**

Stereo speakers, 2W x2, optimized with Dolby Atmos®

**Microphone**

Dual-microphone array

**Camera**

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

## Sensor

**Sensors**

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

## Battery

**Battery**[1]

50Wh Rechargeable Li-ion Battery, supports Rapid Charge Boost (get 2 hours of runtime with a 15-minute charge)

**Max Battery Life**[2]

MobileMark® 2018@200nits: 9.5 hr
Local video (1080p) playback@150nits: 14 hr

Notes:

[1] Rapid Charge Boost 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, MobileMark® 30, JEITA 2.0, JEITA 3.0, 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 (wall-mount) AC adapter, supports PD 3.0, 100-240V, 50-60Hz

Notes:

[1] AC adapter offerings depend on the country.

# DESIGN

## Display

**Display**

| Size | Resolution | Touch | Type | Brightness | Surface | Aspect Ratio | Contrast Ratio | Color Gamut | Refresh Rate | Viewing Angle (L/R/U/D) | Key Features |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 12.4″ | 2.5K WQXGA (2560x1600) | In-cell touch | LTPS | 500nits | Glossy, anti-fingerprint | 16:10 | 1,200:1 | 95% DCI-P3 | 60Hz | 80° / 80° / 70° / 70° | Dolby Vision®, TÜV Low Blue Light (Hardware), Panda King Glass |

**Touchscreen**

In-cell multi-touch, supports 10-point touch

## Input Device

**Pen****

- Lenovo® Digital Pen 3 with replaceable AAAA alkaline battery, 4096 levels of pressure sensitivity, tilt detection
- Lenovo® Digital Pen 3 without replaceable AAAA alkaline battery, 4096 levels of pressure sensitivity, tilt detection
- No pen (purchase separately)

**Keyboard**

- Folio case keyboard (Pogo pin, detachable, Bluetooth®)
- No Folio case keyboard

**Keyboard Backlight**

- None
- LED backlight

**Touchpad**

Buttonless Mylar® surface multi-touch touchpad, supports Precision TouchPad (PTP), 63 x 105 mm (2.48 x 4.13 inches)

## Mechanical

**Dimensions (WxDxH)[1]**

288.3 x 190.33 x 9.45 mm (11.35 x 7.49 x 0.37 inches)

**Weight[2]**

Pad: starting at 839 g (1.85 lbs)
Folio keyboard: starting at 350 g (0.77 lbs)
Total: starting at 1,189 g (2.62 lbs)

**Case Color****

- Stone blue
- Storm grey

**Case Material**

Magnesium-aluminium

**Surface Treatment**

Metallic painting

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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®**

Wi-Fi® 6E, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3[1]

**WWAN**

No support

**Ethernet**

No onboard Ethernet

Notes:

[1] Wi-Fi® 6E operation is subject to the regulation rules in each country.

## Ports[1]

**Standard Ports**

- 1x USB-C® (USB 5Gbps / USB 3.2 Gen 1), with USB PD 3.0 and DisplayPort™ 1.2
- 1x USB-C® (USB 5Gbps / USB 3.2 Gen 1), with USB PD 3.0 and DisplayPort™ 1.2, Always On
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Pogo pin connector (5-point)

Notes:

[1] The transfer speed of the 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.

## Docking

**Docking**\*\*

- Folio case keyboard (Pogo pin, detachable, Bluetooth®)
- No keyboard docking inbox
- Various docking solutions are supported via USB-C®.
  For more compatible docking solutions, please visit [Docking for IdeaPad® Duet 5 12IRU8](#)

# SECURITY & PRIVACY

## Security

**Security Chip**

Firmware TPM 2.0 integrated in SoC

**Fingerprint Reader**

No fingerprint reader

**BIOS Security**

- Administrator password
- Master hard disk password
- User hard disk password
- User password
- More BIOS security features, please visit [BIOS Simulator](#)[1]

**Other Security**

IR camera for Windows® Hello (facial recognition)

Notes:

[1] The BIOS simulator is just for reference. Default settings and some options may vary depending on the hardware, operating system and BIOS version.

# 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

# ACCESSORIES

## Bundled Accessories

**Bundled Accessories**[1]

None

Notes:

[1] For more compatible accessory solutions, please visit Accessories for IdeaPad® Duet 5 12IRU8.

# OPERATING REQUIREMENTS

## 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)

**Relative 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**[2]

- ENERGY STAR® 9.0
- EPEAT™ Silver Registered[3]
- ErP Lot 6/26
- RoHS compliant

Notes:

[1] The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration. For ESG & regulatory compliance documents, please visit https://compliance.lenovo.com.
[2] EPEAT™ registration and ENERGY STAR® certification are optional and only available on the models with preloaded OS. Please visit epeat.net and energystar.gov for more information.
[3] EPEAT™ is registered where applicable, please visit epeat.net for registration status by country.

## Other Certifications

**Other Certifications**

TÜV Rheinland® Low Blue Light (Hardware Solution)

- Feature with ** means that only one option listed under the feature can be configured on selected models. Please refer to the model configuration for specific information.
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