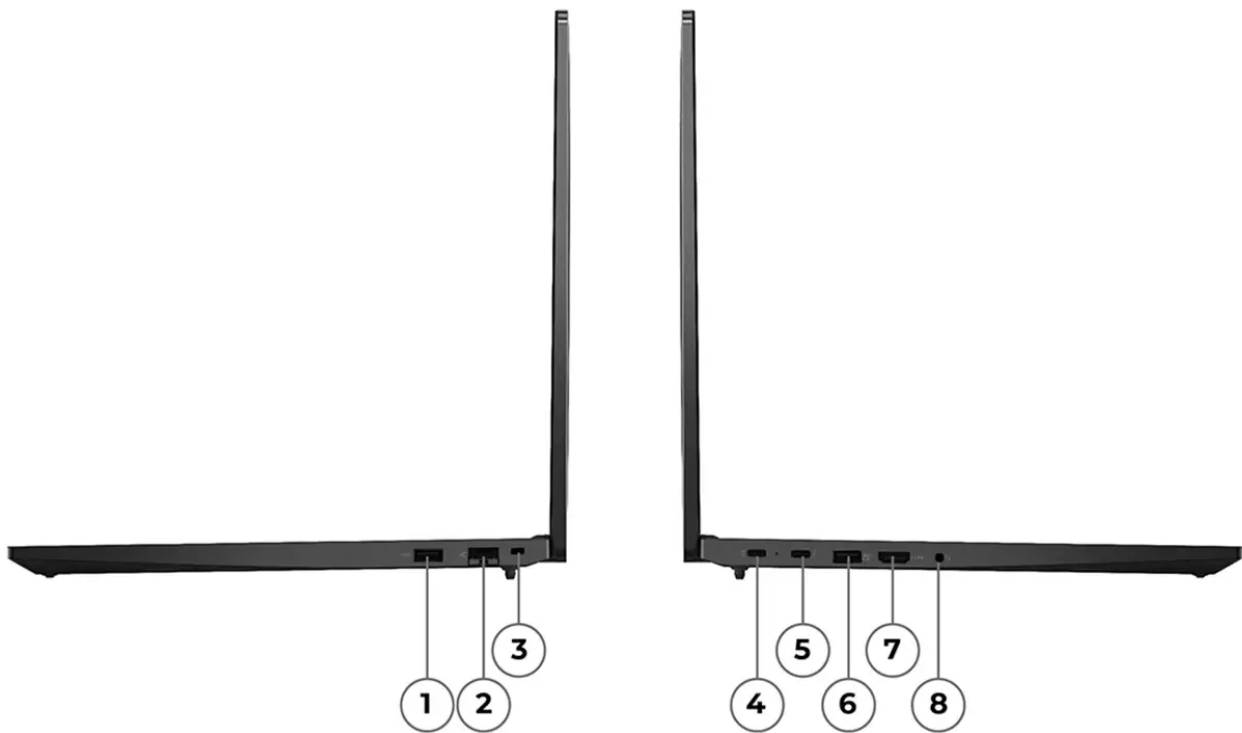


OVERVIEW



|                                  |  |
|----------------------------------|--|
| 1. USB 2.0                       | 5. Thunderbolt 4                             |
| 2. Ethernet (RJ-45)              | 6. USB 3.2 Gen 1 (Always On)                 |
| 3. Kensington Nano Security Slot | 7. HDMI                                      |
| 4. USB-C 3.2 Gen 2               | 8. Headphone / microphone combo jack (3.5mm) |

PERFORMANCE

Processor

Processor Family

13th Generation Intel® U, P or H 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 <sup>[1]</sup> |
| Core i5-1340P  | 12 (4 P-core + 8 E-core) | 16      | P-core 1.9GHz / E-core 1.4GHz | P-core 4.6GHz / E-core 3.4GHz | 12MB  | Intel® Iris® Xe Graphics <sup>[2]</sup> |
| Core i5-13420H | 8 (4 P-core + 4 E-core)  | 12      | P-core 2.1GHz / E-core 1.5GHz | P-core 4.6GHz / E-core 3.4GHz | 12MB  | Intel® UHD Graphics                     |
| Core i5-1345U  | 10 (2 P-core + 8 E-core) | 12      | P-core 1.6GHz / E-core 1.2GHz | P-core 4.7GHz / E-core 3.5GHz | 12MB  | Intel® Iris® Xe Graphics                |
| Core i5-13500H | 12 (4 P-core + 8 E-core) | 16      | P-core 2.6GHz / E-core 1.9GHz | P-core 4.7GHz / E-core 3.5GHz | 18MB  | Intel® Iris® Xe Graphics <sup>[3]</sup> |
| 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 <sup>[4]</sup> |
| Core i7-1360P  | 12 (4 P-core + 8 E-core) | 16      | P-core 2.2GHz / E-core 1.6GHz | P-core 5.0GHz / E-core 3.7GHz | 18MB  | Intel® Iris® Xe Graphics <sup>[5]</sup> |
| Core i7-1365U  | 10 (2 P-core + 8 E-core) | 12      | P-core 1.8GHz / E-core 1.3GHz | P-core 5.2GHz / E-core 3.9GHz | 12MB  | Intel® Iris® Xe Graphics                |
| Core i7-13700H | 14 (6 P-core + 8 E-core) | 20      | P-core 2.4GHz / E-core 1.8GHz | P-core 5.0GHz / E-core 3.7GHz | 24MB  | Intel® Iris® Xe Graphics <sup>[6]</sup> |

Notes:

[1], [2], [3], [4], [5], [6] 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® 11 DG Windows® 10 Pro 64<sup>[1]</sup>
- Ubuntu Linux<sup>[2]</sup>
- No preload operating system

Notes:

[1] Windows® 11 DG Windows® 10 Pro 64 is for special bid only.

[2] Some features may not be supported on the system with Linux preload, including but not limited to Intel® RST RAID, MIPI computer vision camera, WWAN, Human Presence Detection, etc.

Graphics

Graphics\*\*

| Graphics                                | Type       | Memory    | TGP           | Key Features  |
|---|------------|-----------|---------------|---------------|
| Intel® UHD Graphics                     | Integrated | Shared    | Share CPU TDP | DirectX® 12.1 |
| Intel® Iris® Xe Graphics <sup>[1]</sup> | Integrated | Shared    | Share CPU TDP | DirectX® 12.1 |
| NVIDIA® GeForce MX550                   | Discrete   | 2GB GDDR6 | -             | DirectX® 12   |

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 4 independent displays (native display and 3 external monitors via HDMI®, USB-C® and Thunderbolt™)

- HDMI® supports up to 4096x2160@60Hz
- USB-C® supports up to 4096x2160@60Hz
- Thunderbolt™ supports up to 5120x3200@60Hz

Chipset

Chipset

Intel® SoC (System on Chip) platform

Memory

Max Memory

- Up to 40GB (8GB soldered + 32GB SO-DIMM) DDR4-3200
- Up to 48GB (16GB soldered + 32GB SO-DIMM) DDR4-3200<sup>[1]</sup>

Memory Slots

One memory soldered to systemboard, one DDR4 SO-DIMM slot, dual-channel capable

Memory Type

DDR4-3200

Notes:

[1] Maximum memory 48GB is only to test technical readiness of notebook. Available memory to sell would vary.

Storage

Storage Support<sup>[1]</sup>

Up to two drives, 2x M.2 SSD

- M.2 2242 SSD up to 1TB each

Storage Slot

Two M.2 slots

- One M.2 2242 PCIe® 3.0 x4 slot
- One M.2 2242 PCIe® 4.0 x4 slot

Storage Type<sup>[2]</sup>

| Disk Type    | Interface                 | Offering            | Security |
|--------------|---------------------------|---------------------|----------|
| M.2 2242 SSD | PCIe® NVMe®, PCIe® 4.0 x4 | 256GB / 512GB / 1TB | Opal 2.0 |

Notes:

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

[2] M.2 PCIe® 4.0 x4 SSD in the M.2 PCIe® 3.0 x4 slot is downgraded to PCIe® 3.0 x4 performanc.

Removable Storage

Card Reader

No card reader

Multi-Media

Audio Chip

High Definition (HD) Audio, Synaptic® CX11880 codec

Speakers

Stereo speakers, 2W x2, Dolby Atmos®

Microphone

Dual-microphone array, Dolby Voice®

Camera\*\*

- HD 720p, with privacy shutter, fixed focus
- FHD 1080p + IR hybrid, with privacy shutter, fixed focus
- FHD 1080p, with privacy shutter, fixed focus

Battery

Battery\*\*<sup>[1]</sup>

- 47Wh Rechargeable Li-ion Battery, supports Rapid Charge (charge up to 80% in 1hr)
- 57Wh Rechargeable Li-ion Battery, supports Rapid Charge (charge up to 80% in 1hr)

Battery Life<sup>[2]</sup>

Configuration 1 (max battery life)  
MobileMark® 2018: up to 10.78 hr @200nits  
MobileMark® 25: up to 7.36 hr with 731 performance score @250nits  
JEITA 2.0: up to 13.9 hr @150nits  
Local video playback: up to 12.6 hr @150nits

Alternate configuration 2  
MobileMark® 2018: up to 7.5 hr @200nits  
MobileMark® 25: up to 6.1 hr with 720 performance score @250nits  
JEITA 2.0: up to 12.9 hr @150nits  
Local video playback: up to 11.9 hr @150nits

Alternate configuration 3  
MobileMark® 2018: up to 7.95 hr @200nits  
MobileMark® 25: up to 6.16 hr with 781 performance score @250nits  
JEITA 2.0: up to 13 hr @150nits  
Local video playback: up to 11 hr @150nits

Notes:

<sup>[1]</sup> Rapid charge is only guaranteed when the computer is turned off or in standby mode or in hibernation mode. When the computer is powered on, the Charge Time will vary depending on system power consumption and AC adapter power.

<sup>[2]</sup> Configuration 1 (max battery life): WUXGA (non-touch), Intel® i3-1315U, 8GB DDR4, Win 11, 57Wh battery, best power efficiency power mode

Alternate configuration 2: WUXGA (touch), Intel® i5-1340P, 16GB DDR4, Win 11, 57Wh battery, best power efficiency power mode

Alternate configuration 3: WQXGA (non-touch), Intel® i7-1355U, 40GB DDR4, NVIDIA® Geforce MX550, Win 11, 57Wh battery, best power efficiency power mode

All battery life claims are approximate maximum and based on results using [MobileMark® 2018](#), [MobileMark® 25](#), JEITA 2.0, continuous 1080p local video playback (using default Media Player in Fullscreen mode 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, software, wireless functionality, power management settings, and screen brightness.

The maximum capacity of the battery will decrease with time, ambient temperature and use.

Refer to [Microsoft® link](#) for more information about the Windows® Performance power slider.

Power Adapter

Power Adapter\*\*<sup>[1]</sup>

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

Notes:

<sup>[1]</sup> AC adapter offerings depend on the country.

DESIGN

Display

Display\*\*<sup>[1]</sup>

| Size | Resolution | Touch | Type | Brightness | Surface | Aspect | Contrast | Color | Refresh | Viewing | Key Features |
|------|------------|-------|------|------------|---------|--------|----------|-------|---------|---------|--------------|
|------|------------|-------|------|------------|---------|--------|----------|-------|---------|---------|--------------|

|     |                      |             |     |         |            | Ratio | Ratio  | Gamut     | Rate | Angle<br>(L/R/U/D)    |                               |
|-----|----------------------|-------------|-----|---------|------------|-------|--------|-----------|------|-----------------------|-------------------------------|
| 16" | WUXGA<br>(1920x1200) | None        | IPS | 300nits | Anti-glare | 16:10 | 800:1  | 45% NTSC  | 60Hz | 85° / 85° / 85° / 85° | TÜV Low Blue Light (Software) |
| 16" | WUXGA<br>(1920x1200) | None        | IPS | 300nits | Anti-glare | 16:10 | 1200:1 | 100% sRGB | 60Hz | 85° / 85° / 85° / 85° | Eyesafe® Certified 2.0        |
| 16" | WUXGA<br>(1920x1200) | Multi-touch | IPS | 300nits | Anti-glare | 16:10 | 800:1  | 45% NTSC  | 60Hz | 85° / 85° / 85° / 85° | TÜV Low Blue Light (Software) |
| 16" | WQXGA<br>(2560x1600) | None        | IPS | 400nits | Anti-glare | 16:10 | 1200:1 | 100% sRGB | 60Hz | 85° / 85° / 85° / 85° | Eyesafe® Certified 2.0        |

Touchscreen

- On-cell multi-touch, supports 10-point touch
- Non-touch

Notes:

[1] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

Input Device

Pen

No support

Keyboard

6-row, spill-resistant, multimedia Fn keys with Unified Communications controls, numeric keypad

Keyboard Backlight

- LED backlight
- Non-backlight

UltraNav™

TrackPoint® pointing device and Mylar® surface multi-touch 3-button Trackpad, 68 x 115 mm (2.68 x 4.53 inches)

Mechanical

Dimensions (WxDxH)<sup>[1]</sup>

356.1 x 247.7 x 19.85 mm (14.02 x 9.75 x 0.78 inches)

Weight<sup>[2]</sup>

| Models                                     | Weight                         |
|--|--------------------------------|
| Aluminium (top), PC-ABS (bottom) models    | Starting at 1.77 kg (3.90 lbs) |
| Aluminium (top), aluminium (bottom) models | Starting at 1.81 kg (3.99 lbs) |

Case Color

Graphite black

Case Material\*\*

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

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® 6, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.1, M.2 card<sup>[1]</sup>
- Realtek® Wi-Fi® 6 RTL8852BE, 802.11ax Dual Band 2x2 Wi-Fi® + Bluetooth® 5.1 (Bluetooth® 5.3 hardware ready), M.2 card<sup>[2]</sup>
- Intel® Wi-Fi® 6 AX201, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.1 (Bluetooth® 5.2 hardware ready), M.2 Card<sup>[3]</sup>
- Wi-Fi® 6E, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.1, M.2 card<sup>[4]</sup>
- Realtek® Wi-Fi® 6E RTL8852CE, 802.11ax Dual Band 2x2 Wi-Fi® + Bluetooth® 5.1 (Bluetooth® 5.3 hardware ready), M.2 card<sup>[5]</sup>
- Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.1 (Bluetooth® 5.3 hardware ready), M.2 Card<sup>[6]</sup>

**WWAN**

No support

**SIM Card**

No physical SIM card inbox

**Ethernet**

Gigabit Ethernet, Intel® Ethernet Connection I219-V, 1x RJ-45, supports Wake-on-LAN

**NFC**

No support

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**Notes:**

[1] Wi-Fi® 6 full features might be limited by country-level restrictions.

[2] Wi-Fi® 6 full features might be limited by country-level restrictions.

Bluetooth® 5.3 is hardware ready but may run at a lower version due to OS limitations.

[3] Wi-Fi® 6 full features might be limited by country-level restrictions.

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

[4] Wi-Fi® 6E full features might be limited by country-level restrictions.

Wi-Fi® 6E is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

[5], [6] Wi-Fi® 6E full features might be limited by country-level restrictions.

Wi-Fi® 6E is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

Bluetooth® 5.3 is hardware ready but may run at a lower version due to OS limitations.

**Ports**<sup>[1]</sup>**Standard Ports**

- 1x USB 2.0
- 1x USB 3.2 Gen 1 (Always On)
- 1x USB-C® 3.2 Gen 2 (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 1x Thunderbolt™ 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (RJ-45)

---

**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**

Various docking solutions supported via Thunderbolt™ or USB-C®.

For more compatible docking solutions, please visit [Docking for ThinkPad® E16 Gen 1 \(Intel®\)](#)

**SECURITY & PRIVACY**

## Security

### Security Chip\*\*

- Firmware TPM 2.0 integrated in SoC
- Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

### Smart Card Reader

No smart card reader

### Fingerprint Reader

- Touch style fingerprint reader integrated in power button
- No fingerprint reader

### BIOS Security

- NVMe® password
- Power-on password
- Supervisor password
- Self-healing BIOS

### Other Security

- Camera privacy shutter
- (Optional) IR camera for Windows® Hello (facial recognition)

## MANAGEABILITY

### System Management

#### System Management

- Intel® vPro® Enterprise<sup>[1]</sup>
- Non-vPro®

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Notes:

[1] Intel® vPro® offers a superset of DASH's defined capabilities.

## SERVICE

### Warranty

#### Base Warranty\*\*

- 1-year mail-in service
- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 1-year limited onsite service
- No base warranty

## ACCESSORIES

### Bundled Accessories

#### Bundled Accessories<sup>[1]</sup>

- Lenovo® 15.6" laptop casual toplayer, polyester, black
- None

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Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad® E16 Gen 1 \(Intel®\)](#).

## OPERATING REQUIREMENTS

### Operating Environment

**Temperature<sup>[1]</sup>**

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping package: -20°C (-4°F ) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°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).

## ENVIRONMENTAL

### Sustainability

**Material<sup>[1]</sup>**

25% PCC recycled plastic used in the battery pack enclosure  
30% PCC recycled plastic used in speaker enclosure  
90% PCC recycled plastic used in standard 65W adapter  
Low-temperature solder

**Notes:**

[1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

**Green Certifications<sup>[2]</sup>**

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- ErP Lot 6/26
- FSC certified package
- RoHS compliant
- TCO Certified 9.0

**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](https://epeat.net) and [energystar.gov](https://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](https://epeat.net) for registration status by country.

### Other Certifications

**Mil-Spec Test**

MIL-STD-810H military test passed

**Other Certifications**

- (Optional) Eyesafe® Certified 2.0
- (Optional) TÜV Rheinland® Low Blue Light (Hardware Solution)
- (Optional) TÜV Rheinland® Low Blue Light (Software 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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