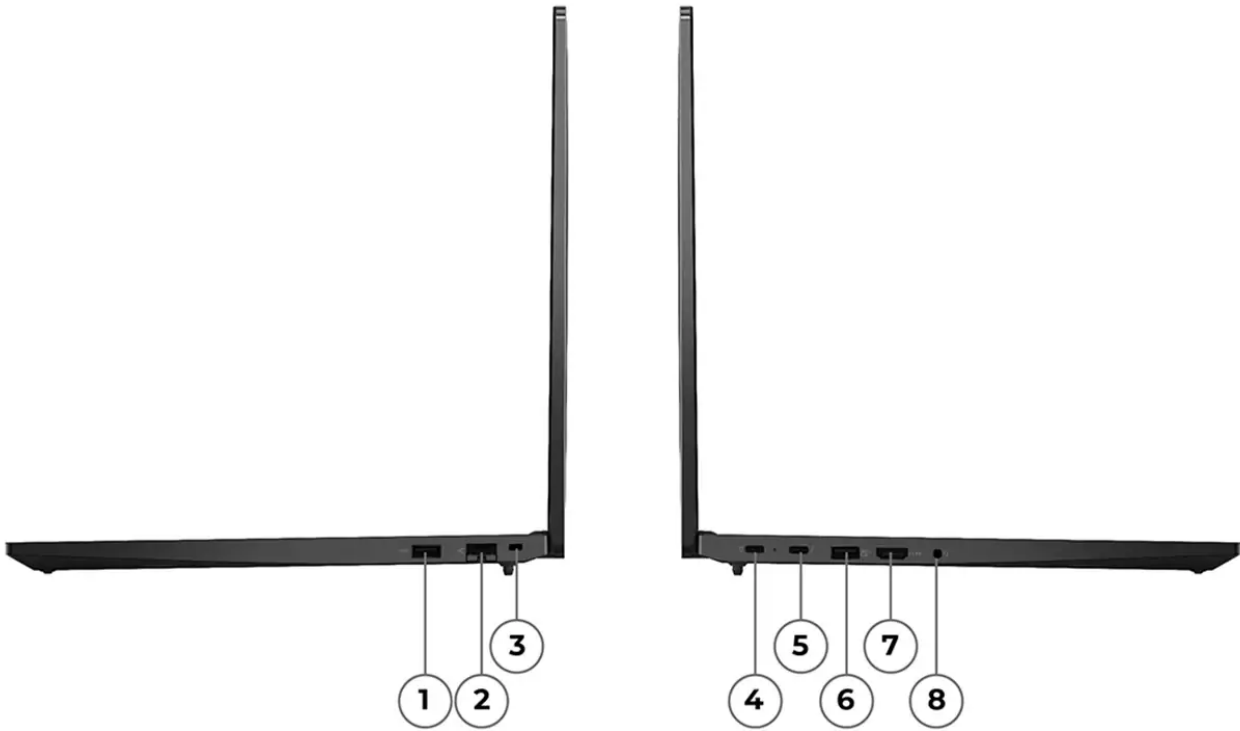


## OVERVIEW



|                                  |  |
|----------------------------------|--|
| 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 3840x2160@60Hz
- Thunderbolt™ supports up to 5120x2160@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

### 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\*\***

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

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

- Integrated Li-Polymer 47Wh battery, supports Rapid Charge (charge up to 80% in 1hr)
- Integrated Li-Polymer 57Wh 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:

[1] 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.

[2] 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:

[1] 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

#### 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 touchpad, 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

#### Ethernet

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

#### 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

#### NFC

No support

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**

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

**Other Security**

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

## 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 toploader, 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**

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

## 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](http://epeat.net) and [energystar.gov](http://energystar.gov) for more information.

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

### Other Certifications

**Mil-Spec Test**

MIL-STD-810H military test passed

**Other Certifications**

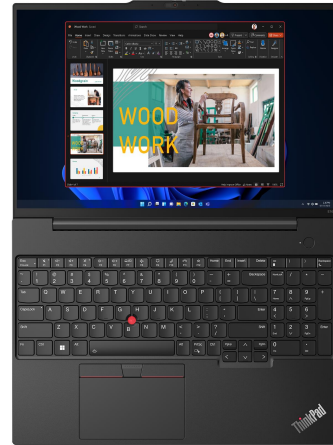
- (Optional) Eyesafe® Certified 2.0
- (Optional) TÜV Rheinland® Low Blue Light (Hardware Solution)
- (Optional) TÜV Rheinland® Low Blue Light (Software Solution)

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