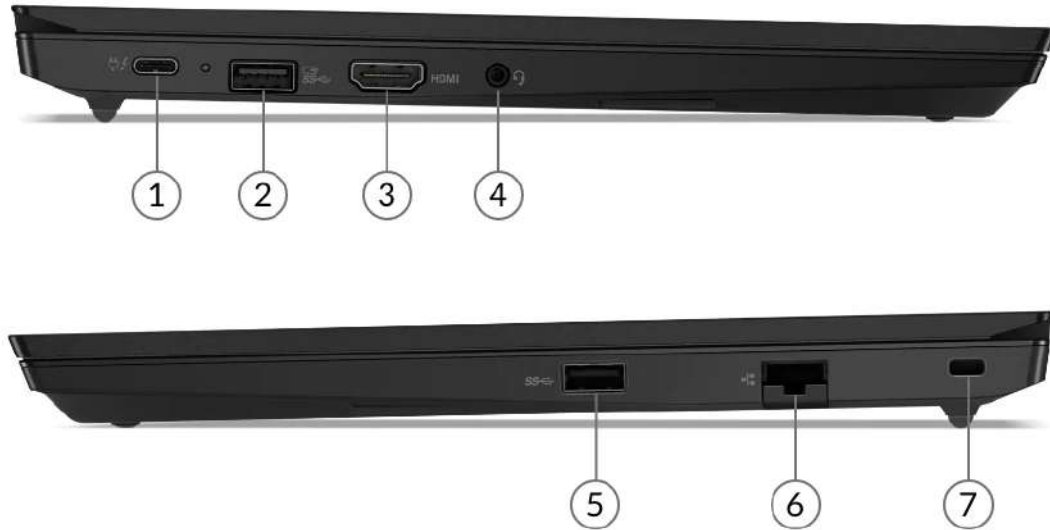


**OVERVIEW**



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

## PERFORMANCE

### Processor

#### Processor Family

12th Generation Intel® Core™ i3 / i5 / i7 Processor

#### Processor\*\*[1]

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics
Core i5-1235U	10 (2 P-core + 8 E-core)	12	P-core 1.3GHz / E-core 0.9GHz	P-core 4.4GHz / E-core 3.3GHz	12MB	Intel Iris® Xe Graphics
Core i3-1215U	6 (2 P-core + 4 E-core)	8	P-core 1.2GHz / E-core 0.9GHz	P-core 4.4GHz / E-core 3.3GHz	10MB	Intel UHD Graphics
Core i5-1245U	10 (2 P-core + 8 E-core)	12	P-core 1.6GHz / E-core 1.2GHz	P-core 4.4GHz / E-core 3.3GHz	12MB	Intel Iris Xe Graphics
Core i7-1255U	10 (2 P-core + 8 E-core)	12	P-core 1.7GHz / E-core 1.2GHz	P-core 4.7GHz / E-core 3.5GHz	12MB	Intel Iris Xe Graphics
Core i5-1240P	12 (4 P-core + 8 E-core)	16	P-core 1.7GHz / E-core 1.2GHz	P-core 4.4GHz / E-core 3.3GHz	12MB	Intel Iris Xe Graphics
Core i7-1260P	12 (4 P-core + 8 E-core)	16	P-core 2.1GHz / E-core 1.5GHz	P-core 4.7GHz / E-core 3.4GHz	18MB	Intel Iris Xe Graphics

#### Notes:

- i5-1240P and i7-1260P are NOT available in EMEA.  
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\*\*[1]

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

#### Notes:

- 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\*\*[1]

Graphics	Type	Memory	TGP	Key Features
Intel UHD Graphics	Integrated	Shared	Share CPU TDP	DirectX® 12.1
Intel Iris Xe Graphics	Integrated	Shared	Share CPU TDP	DirectX 12.1
NVIDIA® GeForce MX550	Discrete	2GB GDDR6	-	DirectX 12

#### Notes:

- 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 3 independent displays (native display and 2 external monitors via HDMI® and Thunderbolt™)

- HDMI supports up to 3840x2160@60Hz
- Thunderbolt supports up to 5120x3200@60Hz

## Chipset

### Chipset

Intel SoC (System on Chip) platform

## Memory

### Max Memory<sup>[1]</sup>

- Up to 32GB DDR4-3200
- Up to 40GB (8GB soldered + 32GB SO-DIMM) DDR4-3200

### Memory Slots\*\*

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

### Memory Type

DDR4-3200

#### 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<sup>[1][2]</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

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. The system may support larger storage as the technology develops.
2. The system supports dual SSD via two M.2 slots, but Lenovo only offers one SSD configuration, another SSD slot for user self-extension.

## Removable Storage

### Optical

None

### Card Reader

No card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Realtek® ALC3287 codec

### Speakers

Stereo speakers, 2W x2, Dolby® Audio™, audio by HARMAN

### Microphone

Dual-microphone array, near-field

### Camera\*\*

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

## Battery

**Battery\*\***

- Integrated Li-Polymer 45Wh battery, supports Rapid Charge (charge up to 80% in 1hr)
- Integrated Li-Polymer 57Wh battery

**Max Battery Life<sup>[1]</sup>**

- Models with 45Wh battery:  
MobileMark® 2018: 9.4 hr  
JEITA 2.0: 16.1 hr  
Local video (1080p) playback@150nits: 11.8 hr
- Models with 57Wh battery:  
MobileMark 2018: 11.5 hr  
MobileMark 25: 10.9 hr  
JEITA 2.0: 20.6 hr  
Local video (1080p) playback@150nits: 15.6 hr

**Notes:**

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.

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

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle (L/R/U/D)	Key Features
14"	FHD (1920x1080)	None	TN	250 nits	Anti-glare	16:9	500:1	45% NTSC	45°/45°/15°/35°	-
14"	FHD (1920x1080)	None	IPS	300 nits	Anti-glare	16:9	800:1	45% NTSC	85°/85°/85°/85°	-
14"	FHD (1920x1080)	None	IPS	300 nits	Anti-glare	16:9	1200:1	100% sRGB	85°/85°/85°/85°	-
14"	FHD (1920x1080)	Multi-touch	IPS	300 nits	Anti-glare	16:9	800:1	45% NTSC	85°/85°/85°/85°	-

**Touchscreen**

- Capacitive-type on-cell multi-touch, supports 10-point touch
- 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>
2. Multi-touch panel is only for special bid in EMEA.

**Input Device****Keyboard**

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

**Keyboard Backlight**

- LED backlight
- Non-backlight

**UltraNav™**

TrackPoint® pointing device and Mylar® surface multi-touch touchpad, 57 x 100 mm (2.24 x 3.94 inches)

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

Models	Dimensions
Aluminium (top), aluminium (bottom) models	324 x 220.7 x 17.9 mm (12.76 x 8.69 x 0.7 inches)
Aluminium (top), PC-ABS (bottom) models	324 x 220.7 x 18.9 mm (12.76 x 8.69 x 0.74 inches)

**Weight<sup>[2]</sup>**

Models	Weight
Aluminium (top), PC-ABS (bottom) models	Starting at 1.59 kg (3.51 lbs)
Aluminium (top), aluminium (bottom) models	Starting at 1.64 kg (3.62 lbs)

**Case Color<sup>\*\*[3]</sup>**

- Black
- Mineral metallic

**Case Material<sup>\*\*</sup>**

- Aluminium (top), aluminium (bottom)
- Aluminium (top), PC-ABS (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.
3. Mineral metallic case is NOT available in EMEA.

**CONNECTIVITY****Network****Ethernet**

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

**WLAN + Bluetooth<sup>®\*\*[1][2]</sup>**

- Wi-Fi® 6, 802.11ax 2x2 Wi-Fi + Bluetooth 5.1, M.2 card
- Realtek Wi-Fi 6 RTL8852BE, 802.11ax Dual Band 2x2 Wi-Fi + Bluetooth 5.1, M.2 card
- Intel Wi-Fi 6 AX201, 802.11ax 2x2 Wi-Fi + Bluetooth 5.1, M.2 Card
- Wi-Fi 6E, 802.11ax 2x2 Wi-Fi + Bluetooth 5.1, M.2 card
- AMD Wi-Fi 6E RZ616, 802.11ax 2x2 Wi-Fi + Bluetooth 5.1, M.2 Card
- Intel Wi-Fi 6E AX211, 802.11ax 2x2 Wi-Fi + Bluetooth 5.1, M.2 Card

**WWAN**

No support

**SIM Card**

No SIM card inbox

**NFC**

No support

**Notes:**

1. Bluetooth 5.2 is hardware ready but may run at a lower version due to OS limitations.
2. 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.  
Wi-Fi 6E is only enabled on Windows 11 and operates as Wi-Fi 6 with Windows 10.

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

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

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**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.

For more compatible docking solutions, please visit [Docking for ThinkPad® E14 Gen 4 \(Intel\)](#)

## SECURITY & PRIVACY

### Security

#### Security Chip\*\*

- Firmware TPM 2.0 integrated in SoC
- Discrete TPM 2.0, TCG certified

#### Physical Locks

Kensington® Security Slot™, 3 x 7 mm

#### Smart Card Reader

No smart card reader

#### Fingerprint Reader

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

#### BIOS Security

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

#### Other Security

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

## SERVICE

### Warranty<sup>[1]</sup>

#### Base Warranty\*\*

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

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**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<sup>[1][2]</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)

#### 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, 2 :When you charge the battery, its temperature must be no lower than 10°C (50°F).

## ACCESSORIES

### Bundled Accessories

#### Bundled Accessories

- Lenovo 15.6" laptop casual toplayer, polyester
- None

## CERTIFICATIONS

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

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

- EPEAT™ Gold
- ENERGY STAR® 8.0
- ErP Lot 3
- TCO Certified 9.0
- RoHS compliant

#### Notes:

1. The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration.
2. EPEAT is registered where applicable, please see <https://www.epeat.net> for registration status by country.

### Other Certifications

#### Mil-Spec Test

MIL-STD-810H military test passed

#### 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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