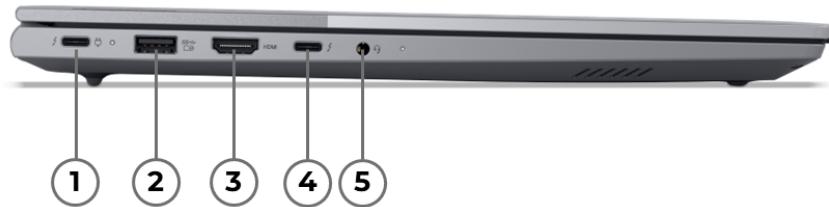


## OVERVIEW



|  |                                  |
|--|----------------------------------|
| 1. Thunderbolt 4                             | 6. SD card reader                |
| 2. USB-A (USB 5Gbps), Always On              | 7. USB-A (USB 5Gbps)             |
| 3. HDMI                                      | 8. Ethernet (RJ-45)              |
| 4. Thunderbolt 4                             | 9. Kensington Nano Security Slot |
| 5. Headphone / microphone combo jack (3.5mm) |                                  |

## PERFORMANCE

### Processor

#### Processor Family

Intel® Core™ Ultra 5 / 7 Processor (Series 3)

#### Processor\*\*

| Processor Name   | Cores                      | Threads | Base Frequency                   | Max Frequency                    | Cache                   | Processor Graphics | NPU           |
|------------------|----------------------------|---------|----------------------------------|----------------------------------|-------------------------|--------------------|---------------|
| Core Ultra 5 325 | 8 (4 P-core + 4 LP E-core) | 8       | P-core 2.1GHz / LP E-core 1.6GHz | P-core 4.5GHz / LP E-core 3.4GHz | 12MB Intel® Smart Cache | Intel® Graphics    | Up to 47 TOPS |
| Core Ultra 5 332 | 6 (2 P-core + 4 LP E-core) | 6       | P-core 2.5GHz / LP E-core 1.9GHz | P-core 4.4GHz / LP E-core 3.3GHz | 12MB Intel® Smart Cache | Intel® Graphics    | Up to 46 TOPS |
| Core Ultra 7 355 | 8 (4 P-core + 4 LP E-core) | 8       | P-core 2.3GHz / LP E-core 1.7GHz | P-core 4.7GHz / LP E-core 3.5GHz | 12MB Intel® Smart Cache | Intel® Graphics    | Up to 49 TOPS |

### AI (Artificial Intelligence)

#### AI PC Category

Copilot+ PC<sup>[1]</sup>

#### NPU

Up to 49 TOPS

Notes:

[1] Copilot+ PCs have at least 16GB RAM, 256GB storage, and a NPU that runs 40+ TOPs to run the latest AI tools build-in latest Windows® 11 to accelerate productivity and creativity.

### Operating System

#### Operating System\*\*

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

### Graphics

#### Graphics

| Graphics        | Type       | Memory | Key Features         |
|-----------------|------------|--------|----------------------|
| Intel® Graphics | Integrated | Shared | DirectX® 12 Ultimate |

### Monitor Support

#### Monitor Support<sup>[1]</sup>

Supports up to 4 independent displays (native display and 3 external monitors via HDMI®, and Thunderbolt™)

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

Notes:

[1] Refresh rates >60hz also supported, however max resolution will be limited.

### Chipset

#### Chipset

Intel® SoC (System on Chip) platform

### Memory

#### Max Memory

Up to 64GB DDR5-5600<sup>[1]</sup>

#### Memory Slots

Two DDR5 SODIMM slots, dual-channel capable

#### Memory Type

DDR5-5600

Notes:

[1] Maximum memory 64GB DDR5-5600 is only to test technical readiness of notebook. Available memory to sell would vary.

## Storage

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

Up to two drives, 2x M.2 SSD

- M.2 2242 SSD up to 2TB
- M.2 2280 SSD up to 2TB

#### Storage Slot<sup>[2]</sup>

Two M.2 slots

- One M.2 2242 PCIe® 4.0 x4 slot
- One M.2 2280 PCIe® 4.0 x4 slot

#### Storage Type

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

Notes:

[1] The system supports dual SSD via two M.2 slots, but Lenovo® offers only one SSD configuration with a second slot for user self-expansion.

The max storage capacity is only technical readiness and may be different from 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

SD card reader

## Multi-Media

#### Audio Chip

High Definition (HD) Audio, Realtek® ALC3287 codec

#### Speakers

Stereo speakers, 2W x2, Dolby Audio™

#### Microphone

Dual-microphone array with smart noise-cancelling

#### Camera\*\*

- FHD 1080p + IR hybrid, with privacy shutter, fixed focus
- 5.0MP, with privacy shutter, fixed focus

## Battery

#### Battery\*\*

- 48Wh Rechargeable Li-ion Battery, supports Rapid Charge Pro (charge up to 50% in 30min)
- 71Wh Rechargeable Li-ion Battery

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

- Models with 48Wh battery:  
 MobileMark® 30@250nits: 11.63 hr  
 Local video (1080p) playback@150nits: 18.18 hr
- Models with 71Wh battery:  
 MobileMark® 30@250nits: 14.88 hr

Local video (1080p) playback@150nits: 26.0 hr

#### Notes:

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

- 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
- No power adapter

#### Notes:

[1] AC adapter offerings depend on the country.

## Special Features

### Special Features

Modern Standby

## 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                  |
|------|-------------------|---------------|------|------------|------------|--------------|----------------|-------------|--------------|-------------------------|-------------------------------|
| 16"  | WUXGA (1920x1200) | Non-touch     | IPS  | 400nits    | Anti-glare | 16:10        | 1000:1         | 45% NTSC    | 60Hz         | 89° / 89° / 89° / 89°   | TÜV Low Blue Light (Software) |
| 16"  | WUXGA (1920x1200) | In-cell touch | IPS  | 400nits    | Anti-glare | 16:10        | 1200:1         | 100% sRGB   | 120Hz        | 89° / 89° / 89° / 89°   | Eyesafe® Certified 2.0        |
| 16"  | WQXGA (2560x1600) | Non-touch     | IPS  | 400nits    | Anti-glare | 16:10        | 1200:1         | 100% sRGB   | 120Hz        | 89° / 89° / 89° / 89°   | Eyesafe® Certified 2.0, TCON  |

#### Touchscreen

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

#### Screen-to-Body Ratio

90%

#### Color Calibration

- TCON (Timing Controller) color calibration
- No color calibration

## Input Device

### Pen

No support

### Keyboard

6-row, spill-resistant, multimedia Fn keys, numeric keypad, key travel 1.5mm, Copilot key

#### Keyboard Backlight

- LED backlight
- Non-backlight

### Touchpad

Buttonless Mylar® surface multi-touch touchpad, supports Precision TouchPad (PTP), 75 x 120 mm (2.95 x 4.72 inches)

## Mechanical

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

356 x 253.5 x 17.5 mm (14.01 x 9.98 x 0.69 inches)

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

Starting at 1.7 kg (3.75 lbs)

### Case Color

Arctic grey, dual-tone design

### Case Material\*\*

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

### Surface Treatment\*\*

- Anodizing sandblasting (top), texture (bottom)
- Anodizing sandblasting FIFA® Edition (top), anodizing sandblasting (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®\*\*<sup>[1]</sup>

- Wi-Fi® 6, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3, M.2 card
- Wi-Fi® 7, 802.11be 2x2 Wi-Fi® + Bluetooth® 5.4, M.2 card
- Intel® Wi-Fi® 7 BE213, 802.11be 2x2 Wi-Fi® + Bluetooth® 5.4, M.2 card (Bluetooth® 6.0 hardware ready)

### WWAN

No support

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

Gigabit Ethernet, 1x RJ-45, supports Wake-on-LAN

Notes:

[1] Wi-Fi® operation (including Wi-Fi® 6, Wi-Fi® 6E, Wi-Fi® 7, etc.) is subject to the regulatory requirements of each country. Bluetooth® may operate at a lower version than hardware design depending on the factors such as operating system, driver, etc.

[2] Wake-on-LAN needs the power adapter plugged in.

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

#### Standard Ports

- 1x USB-A (USB 5Gbps), Always On
- 1x USB-A (USB 5Gbps)
- 2x Thunderbolt™ 4, with USB PD 45-65W and DisplayPort™ 2.1
- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (RJ-45)
- 1x SD card reader

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

Various docking solutions supported via Thunderbolt™.

For more compatible docking solutions, please visit [Docking for ThinkBook® 16 G9 IPL](#)

## SECURITY & PRIVACY

### Security

#### Security Chip

Discrete TPM 2.0, TCG certified, FIPS 140-3 certified

#### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

#### Fingerprint Reader

- Touch style fingerprint reader integrated in power button, match-on-chip
- No fingerprint reader

#### BIOS Security

- Hard disk password
- Power-on password
- Supervisor password
- User password
- Self-healing BIOS

#### Other Security

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

## MANAGEABILITY

### System Management

#### System Management

Non-vPro®

## SERVICE

### Warranty

#### Base Warranty\*\*

- 1-year courier or carry-in service
- 2-year (1-yr battery) courier or carry-in service
- No base warranty

## ACCESSORIES

### Bundled Accessories

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

- Lenovo® 16" Laptop ECO Topload T210 (black)
- Lenovo® Essential Wired Mouse (Plastic Free)
- Lenovo® USB-A Wired Stereo Headset Gen 2 (Plastic Free)
- ThinkBook® Bluetooth® Silent Mouse (Plastic Free)
- None

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkBook® 16 G9 IPL](#).

## OPERATING REQUIREMENTS

### Operating Environment

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

- 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: 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>**

30% PCC recycled plastic used in the battery pack enclosure  
 50% PCC recycled plastic used in key caps  
 30% PCC recycled plastic used in speaker  
 90% PCC recycled plastic used in standard 65W adapter  
 Plastic free packaging (for EMEA & NA)  
 Dry pressed pulp cushion  
 90% recycled content in OBP bag or bamboo fiber bag  
 FSC certified content in carton box

## Notes:

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

**CERTIFICATIONS****Green Certifications<sup>[1]</sup>****Green Certifications<sup>[2]</sup>**

- ENERGY STAR® 9.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- ErP Lot 6/26
- RoHS compliant
- TCO Certified, generation 10

## 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 option listed under the feature can be configured on selected models.

Please refer to the model configuration for specific information.

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