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# Informacije o proizvodu (EN)

## LENOVO laptop ThinkBook 16 G6 IRL i5-13420H 32GB/1TB (21KH00T1YA)

Lenovo

Tehnoteka je online destinacija za upoređivanje cena i karakteristika bele tehnike, potrošačke elektronike i IT uređaja kod trgovinskih lanaca i internet prodavnica u Srbiji. Naša stranica vam omogućava da istražite najnovije informacije, detaljne karakteristike i konkurentne cene proizvoda.

Posetite nas i uživajte u ekskluzivnom iskustvu pametne kupovine klikom na link:

https://tehnoteka.rs/p/lenovo-laptop-thinkbook-16-g6-irl-i5-13420h-32gb1tb-21kh00t1ya-akcija-cena/

# OVERVIEW

| | |
|---|---|
| 1. SD card reader | 6. USB 3.2 Gen 1 (Always On) |
| 2. USB 3.2 Gen 1 | 7. HDMI |
| 3. Ethernet (RJ-45) | 8. Thunderbolt 4 |
| 4. Kensington Nano Security Slot | 9. Headphone / microphone combo jack (3.5mm) |
| 5. USB-C 3.2 Gen 2 | |

# 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[1] |
| 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[2] |
| 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 i5-13500H | 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[3] |
| 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[4] |
| 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[5] |
| 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[6] |

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
- No preload operating system

## Graphics

### Graphics**

| Graphics | Type | Memory | TGP | Key Features |
|---|---|---|---|---|
| Intel® UHD Graphics | Integrated | Shared | Share CPU TDP | DirectX® 12.1 |
| Intel® Iris® Xe Graphics[1] | Integrated | Shared | Share CPU TDP | DirectX® 12.1 |

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 3840x2160@60Hz
• USB-C® supports up to 5120x3200@60Hz
• Thunderbolt™ supports up to 5120x3200@60Hz

## Chipset

**Chipset**

Intel® SoC (System on Chip) platform

## Memory

**Max Memory**[1]

Up to 64GB DDR5-5200

**Memory Slots**

Two DDR5 SO-DIMM slots, dual-channel capable

**Memory Type**

DDR5-5200

Notes:

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

## Storage

**Storage Support**[1]

Up to two drives, 2x M.2 SSD
• M.2 2242 SSD up to 1TB
• M.2 2280 SSD up to 2TB

**Storage Slot**

Two M.2 2280 PCIe® 4.0 x4 slots

**Storage Type*****

| Disk Type | Interface | Offering |
|---|---|---|
| M.2 2242 SSD | PCIe® NVMe®, PCIe® 4.0 x4 | 256GB / 512GB / 1TB |
| M.2 2280 SSD | PCIe® NVMe®, PCIe® 4.0 x4 | 512GB / 1TB |

Notes:

[1] The max storage capacity is only technical readiness and may be different from current Lenovo® storage offerings.

## 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
- FHD 1080p, with privacy shutter, fixed focus
- HD 720p, with privacy shutter, fixed focus

## Battery

**Battery****

- Integrated Li-Polymer 45Wh battery, supports Rapid Charge Pro (charge up to 50% in 30min)
- Integrated Li-Polymer 71Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 100W AC adapter

**Max Battery Life**[1]

- Models with 45Wh battery:
  MobileMark® 2018: 9.15 hr
  MobileMark® 25: 8.0 hr
  Local video (1080p) playback@150nits: 14.43 hr

- Models with 71Wh battery:
  MobileMark® 2018: 13.48 hr
  MobileMark® 25: 11.82 hr
  Local video (1080p) playback@150nits: 17.72 hr

Notes:

[1] All battery life claims are approximate maximum and based on results using the MobileMark® 2018, MobileMark® 25, 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
- 100W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz

Notes:

[1] AC adapter offerings depend on the country.

## Special Features

**Special Features**

Modern Standby

# DESIGN

## Display

**Display**[**][1]

| 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) | None | IPS | 300nits | Anti-glare | 16:10 | 1000:1 | 45% NTSC | 60Hz | 89° / 89° / 89° / 89° | TÜV Low Blue Light (Software) |
| 16″ | WUXGA (1920x1200) | None | IPS | 300nits | Anti-glare | 16:10 | 1200:1 | 100% sRGB | 60Hz | 89° / 89° / 89° / 89° | Eyesafe® Certified 2.0 |
| 16″ | WUXGA (1920x1200) | Multi-touch | IPS | 300nits | Anti-glare | 16:10 | 1000:1 | 45% NTSC | 60Hz | 89° / 89° / 89° / 89° | TÜV Low Blue Light (Software) |
| 16″ | WQXGA (2560x1600) | None | IPS | 350nits | Anti-glare | 16:10 | 1200:1 | 100% sRGB | 60Hz | 89° / 89° / 89° / 89° | Eyesafe® Certified 2.0 |
| 16″ | WQXGA (2560x1600) | None | IPS | 350nits | Anti-glare | 16:10 | 1200:1 | 100% sRGB | 120Hz | 89° / 89° / 89° / 89° | 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, numeric keypad

**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)**[1]

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

**Weight**[2]

Starting at 1.7 kg (3.75 lbs)

**Case Color**

Arctic grey, dual-tone design

**Surface Treatment**

Anodizing sandblasting

**Case Material**

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.

# CONNECTIVITY

## Network

**Ethernet****[1]

- Gigabit Ethernet, Intel® Ethernet Connection I219-LM (vPro® models), 1x RJ-45, supports Wake-on-LAN
- Gigabit Ethernet, Intel® Ethernet Connection I219-V (non-vPro® models), 1x RJ-45, supports Wake-on-LAN

**WLAN + Bluetooth®****[2]

- Wi-Fi® 6, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.2, M.2 card[3]
- Wi-Fi® 6E, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3, M.2 card[4]

**WWAN**

No support

Notes:

[1] Wake-on-LAN needs the power adapter plugged in.
[2] Bluetooth® may operate at a lower version than hardware design depending on the factors such as operating system, driver, etc.
[3] Wi-Fi® 6 full features might be limited by country-level restrictions.
[4] Wi-Fi® 6E full features might be limited by country-level restrictions.
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.

## Ports

**Standard Ports**

- 1x USB 3.2 Gen 1
- 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)
- 1x SD card reader

## Docking

**Docking**

Various docking solutions supported via Thunderbolt™ or USB-C®.
For more compatible docking solutions, please visit Docking for ThinkBook® 16 G6 IRL

# SECURITY & PRIVACY

## Security

**Security Chip**

Firmware TPM 2.0 integrated in SoC

**Physical Locks**

Kensington® Nano Security Slot™, 2.5 x 6 mm

**Fingerprint Reader**

Touch style fingerprint reader integrated in smart power button

**BIOS Security**

- Hard disk 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® Essentials[1]
- Non-vPro®

Notes:

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

# 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[1]**

- Lenovo® 15.6″ laptop casual toploader, polyester
- None

Notes:

[1] For more compatible accessory solutions, please visit Accessories for ThinkBook® 16 G6 IRL.

# 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: 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**[1]

25% PCC recycled plastic used in the battery pack enclosure
50% PCC recycled plastic used in key caps
90% PCC recycled plastic used in standard 65W and 100W adapter
95% recycled content in PIC cushion
30% recycled content in OBP bag
FSC certified content in carton box

Notes:

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

# CERTIFICATIONS

## Green Certifications[1]

**Green Certifications**[2]

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered[3]
- ErP Lot 6/26
- FSC certified package
- RoHS compliant
- TCO Certified 9.0[4]

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.

[4] TCO certification is NOT available in India and Brazil.

## Other Certifications

**Mil-Spec Test**

MIL-STD-810H military test passed

**Other Certifications**

- (Optional) Intel® Evo™ Platform
- (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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Za najnovije informacije o ceni, dostupnim akcijama i tehničkim karakteristikama proizvoda koji se pominje u ovom dokumentu, molimo posetite našu stranicu klikom na sledeći link:

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