

## Informacije o proizvodu (EN)

LENOVO Mini PC ThinkCentre Neo 50q G4 Tiny  
(12LN004UYA)

# Lenovo

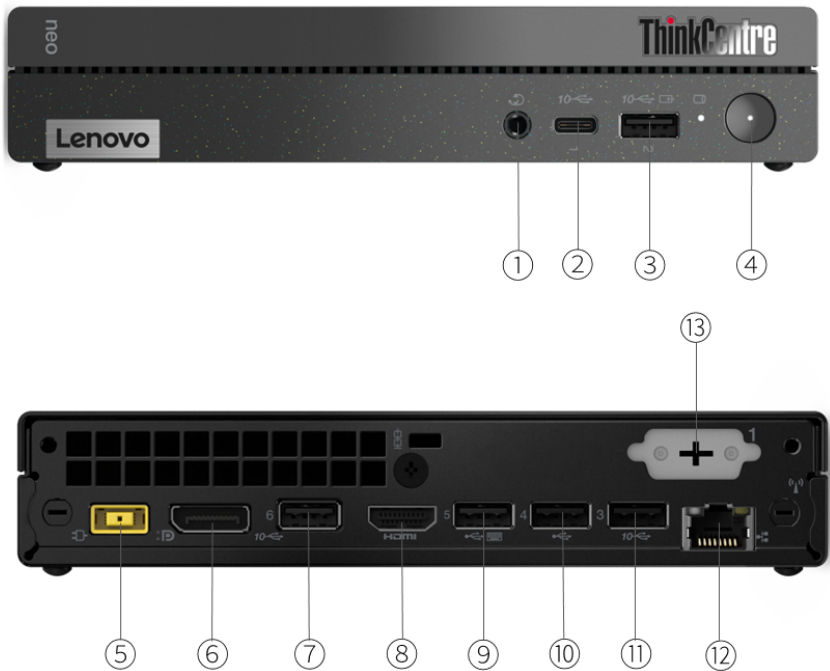


Tehnoteka je online destinacija za upoređivanje cena i karakteristika bele tehnike, potrošačke elektronike i IT uređaja kod trgovinskih lanaca i internet prodavnica u Srbiji. Naša stranica vam omogućava da istražite najnovije informacije, detaljne karakteristike i konkurentne cene proizvoda.

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

<https://tehnoteka.rs/p/lenovo-mini-pc-thinkcentre-neo-50q-g4-tiny-12ln004uya-akcija-cena/>

OVERVIEW



|                                                                 |                      |
|-----------------------------------------------------------------|----------------------|
| 1. Headphone / microphone combo jack (3.5mm)                    | 8. HDMI 2.1 TMDS     |
| 2. USB-C 3.2 Gen 2 (support data transfer and 5V@0.9A charging) | 9. USB 2.0           |
| 3. USB 3.2 Gen 2 (Always On and 5V@2.1A charging)               | 10. USB 2.0          |
| 4. Power button                                                 | 11. USB 3.2 Gen 2    |
| 5. Power-in                                                     | 12. Ethernet (RJ-45) |
| 6. DisplayPort 1.4                                              | 13. Punch out port * |
| 7. USB 3.2 Gen 2                                                |                      |

Notes:

- Items with \* are only available on selected models

PERFORMANCE

Processor

Processor Family

12th Generation Intel® Core™ i3, or 13th Generation Intel® Core™ i5 Processor

Processor\*\*

| Processor Name | Cores                   | Threads | Base Frequency                | Max Frequency                                | Cache | Processor 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 <sup>[1]</sup> | 10MB  | Intel® UHD Graphics |
| 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 <sup>[2]</sup> | 12MB  | Intel® UHD Graphics |

Notes:

[1], [2] Intel® Max Turbo frequency will vary depending on application workload and the hardware and software configurations, see <http://www.intel.com/technology/turboboost/> for more information.

Operating System

Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 DG Windows® 10 Pro 64
- Ubuntu Linux<sup>[1]</sup>
- No preload operating system

Notes:

[1] The pre-installed IGEL OS version is 11.08.240  
The device is preload with a free evaluation license. The evaluation license will be valid for a period of 90 days.

Graphics

Graphics

| Graphics            | Type       | Memory | Max Resolution                                                 | Connector                                                                      | Key Features  |
|---------------------|------------|--------|----------------------------------------------------------------|--------------------------------------------------------------------------------|---------------|
| Intel® UHD Graphics | Integrated | Shared | 4096x2160@60Hz(DP), 4096x2160@60Hz(HDMI®), 1920x1200@60Hz(VGA) | 1x DP 1.4, 1x HDMI® 2.1 TMDS, 1x optional punch out port (1x VGA or 1x DP 1.4) | DirectX® 12.1 |

Monitor Support

Monitor Support

Supports up to 3 independent displays via (onboard DP, onboard HDMI®, optional punch out port)

Chipset

Chipset

Intel® SoC (System on Chip) platform

Memory

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

Up to 32GB DDR4-3200

Memory Slots

Two DDR4 SO-DIMM slots, dual-channel capable

Memory Type

DDR4-3200

Notes:

[1] The max memory is based on the test results with current Lenovo® memory offerings.

Storage

Storage Support<sup>[1][2]</sup>

Up to two drives, 1x 2.5" HDD + 1x M.2 SSD

- 2.5" HDD up to 1TB
- M.2 SSD up to 1TB

Storage Type<sup>\*\*</sup>

| Disk Type     | Interface                 | RPM  | Security |
|---------------|---------------------------|------|----------|
| 2.5" SATA HDD | SATA 6Gb/s                | 7.2K | -        |
| M.2 2242 SSD  | PCIe® NVMe®, PCIe® 3.0 x4 | -    | -        |
| M.2 2280 SSD  | PCIe® NVMe®, PCIe® 4.0 x4 | -    | Opal 2.0 |

Notes:

[1] The max capacity of each disk type is based on the test results with current Lenovo® storage offerings.

[2] 2.5" HDD bracket kit only comes with pre-configured HDD models.

Removable Storage

Optical

None

Card Reader

No card reader

Multi-Media

Audio Chip

High Definition (HD) Audio, Realtek® ALC256 codec

Speakers

Single speaker, 2W x1

Microphone

No microphone

Power Supply

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

| Power           | Type    | Efficiency | Key Features |
|-----------------|---------|------------|--------------|
| 65W             | Adapter | 89%        | Autosensing  |
| 90W             | Adapter | 89%        | Autosensing  |
| 135W            | Adapter | 89%        | Autosensing  |
| No power supply | -       | -          | -            |

Notes:

[1] The optional 90w adapter may increase performance scores when i5-13420H CPUs are installed.

When work with TIO monitor, an appropriate power adapter is needed. Customer may need to:

- Order a Tiny for TIO MT (12LQ, 12LR) models
- Or for Intel® Core™ i5 models order an additional 135W power adapter, for Intel® Core™ i3 models order an additional 90W power adapter. If original power adapter is less than 135W (i5 models) or 90W (i3 models).

DESIGN

Input Device

Keyboard

- Lenovo® Calliope Keyboard (USB connector), black
- No keyboard

**Mouse**

- Lenovo® Calliope Mouse (USB connector), black
- No mouse

**Mechanical****Form Factor**

Tiny (1L)

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

179 x 182.9 x 36.5 mm (7.05 x 7.2 x 1.44 inches)

**Packaging Dimensions (WxDxH)<sup>[2]</sup>**

494 x 250 x 130 mm (19.45 x 9.84 x 5.12 inches)

**Weight<sup>[3]</sup>**

Around 1.11 kg (2.45 lbs)

**Packaging Weight<sup>[4]</sup>**

Around 3.2 kg (7.05 lbs)

**Case Color**

Black

**Bays**

1x 2.5" disk bay (optional, or bay comes with disk)

**Expansion Slots**

Two M.2 slots (one for WLAN, one for SSD)

**EOU**

(Optional) Toolless cover (toolless chassis screw required), stand, optional 2.5" HDD bracket assembly / removal

**Stand**

- Vertical stand
- No stand

**Mounting**

- Supports VESA mount 100mm
- None

**Cooling System (Fan & Cooler)**

1x system fan

**Others**

(Optional) Power adapter cage

---

**Notes:**

[1] The system dimensions may vary depending on configurations.

[2] The new package takes effect from November 2023. The old package is:  
140 x 262 x 500 mm (5.51 x 10.31 x 19.69 inches)

[3] 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.

[4] The new package takes effect from November 2023. The old package is:  
Around 5.18 kg (11.42 lbs)

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

Gigabit Ethernet, Realtek® RTL8111K-CG, 1x RJ-45

**WLAN + Bluetooth®\*\***

- Realtek® Wi-Fi® 6 RTL8852BE, 802.11ax Dual Band 2x2 Wi-Fi® + Bluetooth® 5.3, M.2 card<sup>[1]</sup>

- Intel® Wi-Fi® 6 AX201, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.2, M.2 Card<sup>[2]</sup>
- No WLAN and Bluetooth®

---

**Notes:**

[1] Bluetooth® 5.3 requires Windows® 11.

[2] Bluetooth® 5.2 requires Windows® 11.

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

### Front Ports

- 1x USB-C® 3.2 Gen 2 (support data transfer and 5V@0.9A charging)
- 1x USB 3.2 Gen 2 (Always On and 5V@2.1A charging)
- 1x headphone / microphone combo jack (3.5mm)

### Optional Front Ports

None

### Rear Ports

- 2x USB 2.0
- 2x USB 3.2 Gen 2
- 1x HDMI® 2.1 TMDS
- 1x DisplayPort™ 1.4
- 1x Ethernet (RJ-45)

### Optional Rear Ports

Punch out port (one of VGA / DisplayPort™ 1.4 / serial)

---

**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.

## SECURITY & PRIVACY

### Security

#### Security Chip

Firmware TPM 2.0 integrated in SoC

#### Physical Locks

Kensington® Security Slot™, 3 x 7 mm

#### Chassis Intrusion Switch

Chassis intrusion switch<sup>[1]</sup>

#### BIOS Security

- Supervisor password
- Administrator password
- Hard disk password
- Boot sequence control
- Cover presence switch
- Individual USB port disablement
- Intel® BIOS guard
- Self-healing BIOS
- Smart USB protection (allows keyboard / mouse only, blocks all storage devices)

---

**Notes:**

[1] Chassis intrusion switch is hardware ready function and needs to be special bid or manually enabled in BIOS.

## MANAGEABILITY

## System Management

### System Management

None

## SERVICE

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

#### Base Warranty\*\*

- 1-year courier or carry-in service
- 1-year limited onsite service
- No base warranty

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://support.lenovo.com/warrantylookup/warrantypolicy>.

## ACCESSORIES

### Bundled Accessories

#### Bundled Accessories\*\*\*

- DP to DVI dongle
- DP to VGA dongle

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature

- Operating: 10°C (50°F) to 35°C (95°F)
- Storage: -40°C (-40°F) to 60°C (140°F)

#### Relative Humidity

- Operating: 20% to 80%
- Storage: 20% to 90%

#### Altitude

- Operating: -15.2 m (-50 ft) to 3048 m (10,000 ft)
- Storage: -15.2 m (-50 ft) to 10668 m (35,000 ft)

## CERTIFICATIONS

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

#### Green Certifications

- (Optional) ENERGY STAR® 8.0
- (Optional) EPEAT™ Gold Registered<sup>[2]</sup>
- ErP Lot 3 and Lot 7
- 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™ is registered where applicable, please visit [epeat.net](https://epeat.net) for registration status by country.

### Other Certifications

#### Other Certifications

(Optional) TÜV Rheinland® Ultra Low Noise

- Feature with \*\* means that only one offering listed under the feature is configured on selected models.
- Feature with \*\*\* means that one or more offerings listed under the feature could be configured on selected models.
- Lenovo reserves the right to change specifications or other product information without notice. Lenovo is not responsible for photographic or typographical errors. LENOVO PROVIDES THIS PUBLICATION “AS IS,” WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some jurisdictions do not allow disclaimer of express or implied warranties in certain transactions, therefore this disclaimer may not apply to you.
- The specifications on this page may not be available in all regions, and may be changed or updated without notice.





Ovaj dokument je originalno proizveden i objavljen od strane proizvođača, brenda Lenovo, i preuzet je sa njihove zvanične stranice. S obzirom na ovu činjenicu, Tehnoteka ističe da ne preuzima odgovornost za tačnost, celovitost ili pouzdanost informacija, podataka, mišljenja, saveta ili izjava sadržanih u ovom dokumentu.

Napominjemo da Tehnoteka nema ovlašćenje da izvrši bilo kakve izmene ili dopune na ovom dokumentu, stoga nismo odgovorni za eventualne greške, propuste ili netačnosti koje se mogu naći unutar njega. Tehnoteka ne odgovara za štetu nanесenu korisnicima pri upotrebi netačnih podataka. Ukoliko imate dodatna pitanja o proizvodu, ljubazno vas molimo da kontaktirate direktno proizvođača kako biste dobili sve detaljne informacije.

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:

<https://tehnoteka.rs/p/lenovo-mini-pc-thinkcentre-neo-50q-g4-tiny-12ln004uya-akcija-cena/>