

**OVERVIEW**

1. Card reader	5. HDMI
2. USB 2.0	6. USB-C 3.2 Gen 1 (data transfer only)
3. Power connector	7. Headphone / microphone combo jack (3.5mm)
4. USB 3.2 Gen 1	

## PERFORMANCE

### Processor

#### Processor Family

Intel® Celeron® or Intel® Pentium® Processor

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics
Celeron® N4020	2	2	1.1GHz	2.8GHz	4MB	Intel® UHD Graphics 600
Celeron® N4120	4	4	1.1GHz	2.6GHz	4MB	Intel® UHD Graphics 600
Pentium® Silver N5030	4	4	1.1GHz	3.1GHz	4MB	Intel® UHD Graphics 605

### Operating System

#### Operating System\*\*

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

### Graphics

#### Graphics\*\*

Graphics	Type	Memory	TGP	Key Features
Intel® UHD Graphics 600	Integrated	Shared	Share CPU TDP	DirectX® 12
Intel® UHD Graphics 605	Integrated	Shared	Share CPU TDP	DirectX® 12

### Monitor Support

#### Monitor Support

Supports up to 2 independent displays (native display and 1 external monitor via HDMI®)

- HDMI® supports up to 4096x2160@30Hz

### Chipset

#### Chipset

Intel® SoC (System on Chip) platform

### Memory

#### Max Memory

- 4GB soldered memory, not upgradable
- Up to 8GB (8GB SO-DIMM) DDR4-2400 offering<sup>[1]</sup>

#### Memory Slots\*\*

- Memory soldered to systemboard, no slots
- One DDR4 SO-DIMM slot

#### Memory Type

DDR4-2400

Notes:

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

### Storage

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

- 128GB eMMC 5.1 on systemboard
- One drive, up to 512GB M.2 2242 SSD or 512GB M.2 2280 SSD

#### Storage Slot

- eMMC on systemboard, no slots (eMMC models)
- One M.2 2280 PCIe® 2.0 slot (non-eMMC models)

**Storage Type\*\*<sup>[2]</sup>**

Disk Type	Interface	Offering
M.2 2280 SSD	PCIe® NVMe®, PCIe® 3.0 x4 <sup>[3]</sup>	512GB
Flash Memory	eMMC 5.1	128GB
M.2 2242 SSD	PCIe® NVMe®, PCIe® 3.0 x4 <sup>[4]</sup>	128GB / 256GB
M.2 2242 SSD	PCIe® NVMe®, PCIe® 4.0 x4 <sup>[5]</sup>	256GB / 512GB

## Notes:

[1] The storage capacity supported is based on the test results with current Lenovo® storage offerings.

[2] System has one eMMC on systemboard or one M.2 2242/2280 SSD exclusively.

[3], [4] The SSD with PCIe® 3.0 x4 is downgraded to closer to PCIe® 2.0 due to Intel® platform limitations.

[5] The SSD with PCIe® 4.0 x4 is downgraded to closer to PCIe® 2.0 due to Intel® platform limitations.

**Removable Storage****Card Reader**

SD card reader

**Multi-Media****Audio Chip**

High Definition (HD) Audio

**Speakers**

Stereo speakers, 1.5W x2, Dolby® Audio™

**Microphone**

Dual-microphone array

**Camera**

HD 720p, with privacy shutter, fixed focus

**Battery****Battery**

Integrated Li-Polymer 42Wh battery, supports Rapid Charge Boost (get 2 hours of runtime with a 15-minute charge)

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

Local video (1080p) playback@150nits: 11 hr

## Notes:

[1] All battery life claims are approximate maximum and based on results using the MobileMark® 2014, MobileMark® 2018, MobileMark® 25, 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 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**

45W round tip (3-pin) AC adapter, 100-240V, 50-60Hz

**DESIGN****Display****Display\*\***

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle (L/R/U/D)
15.6"	HD (1366x768)	None	TN	220nits	Anti-	16:9	400:1	45% NTSC	45°/45°/15°/35°

					glare				
15.6"	FHD (1920x1080)	None	TN	220nits	Anti-glare	16:9	400:1	45% NTSC	45°/45°/15°/35°
15.6"	FHD (1920x1080)	None	IPS <sup>[1]</sup>	250nits	Anti-glare	16:9	700:1	45% NTSC	85°/85°/85°/85°

**Touchscreen**

Non-touch

Notes:

<sup>[1]</sup> IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.**Input Device****Keyboard**

6-row, multimedia Fn keys, numeric keypad

**Keyboard Backlight**

Non-backlight

**Touchpad**

Buttonless Mylar® surface multi-touch touchpad, supports Precision TouchPad (PTP), 69 x 104 mm (2.72 x 4.09 inches)

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

360.2 x 236 x 17.9 mm (14.18 x 9.29 x 0.70 inches)

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

Starting at 1.54 kg (3.4 lbs)

**Case Color\*\***

- Abyss blue
- Cloud grey
- Sand

**Surface Treatment**

IMR (in-mold decoration by roller)

**Case Material**

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

Notes:

<sup>[1]</sup> The system dimensions may vary depending on configurations.<sup>[2]</sup> 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**

No onboard Ethernet

**WLAN + Bluetooth®\*\***

- 802.11ac 2x2 Wi-Fi® + Bluetooth® 5.1, M.2 card
- Wi-Fi® 6, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.2, M.2 card<sup>[1]</sup>

Notes:

<sup>[1]</sup> Wi-Fi® 6 full features might be limited by country-level restrictions.**Ports<sup>[1]</sup>****Standard Ports**

- 1x USB 2.0
- 1x USB 3.2 Gen 1
- 1x USB-C® 3.2 Gen 1 (support data transfer only)
- 1x HDMI® 1.4b
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Card reader
- 1x Power connector

#### 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

#### Fingerprint Reader

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

#### BIOS Security

- Administrator password
- Power-on password
- Hard disk password (non-eMMC models only)

#### Other Security

Camera privacy shutter

## 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)
- 2-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) courier or carry-in service

## ENVIRONMENTAL

### 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).

## ACCESSORIES

### Bundled Accessories

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

- Lenovo® 15.6" laptop casual toploader, polyester, black
- None

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for IdeaPad® 1 15IGL7](#).

## CERTIFICATIONS

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

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

- ENERGY STAR® 8.0
- ErP Lot 3
- 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™ registration and ENERGY STAR® certification are dependent on system OS. Please visit [epeat.net](http://epeat.net) and [energystar.gov](http://energystar.gov) for more information.

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