

## PERFORMANCE

### Processor

Intel® Core™ i5-12450H, 8C (4P + 4E) / 12T, P-core 2.0 / 4.4GHz, E-core 1.5 / 3.3GHz, 12MB

### Graphics

NVIDIA® GeForce RTX™ 3050 4GB GDDR6, Boost Clock 1740MHz, TGP 85W

### Chipset

Intel SoC Platform

### Memory

1x 8GB SO-DIMM DDR4-3200

### Memory Slots

Two DDR4 SO-DIMM slots, dual-channel capable

### Max Memory

Up to 16GB DDR4-3200 offering

### Storage

512GB SSD M.2 2242 PCIe® 4.0x4 NVMe®

### Storage Support

Up to two drives, 2x M.2 SSD

- M.2 2280 SSD up to 1TB
- M.2 2242 SSD up to 1TB

### Storage Slot

Two M.2 slots

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

### Card Reader

None

### Optical

None

### Audio Chip

High Definition (HD) Audio, Realtek® ALC3287 codec

### Speakers

Stereo speakers, 2W x2, Nahimic Audio

### Camera

HD 720p with Privacy Shutter

### Microphone

2x, Array

### Battery

Integrated 60Wh

### Max Battery Life

Models with 60Wh battery:

MobileMark® 2018: 7.1 hr

Local video (1080p) playback@150nits: 7.7 hr

### Power Adapter

170W Slim Tip (3-pin)

## DESIGN

### Display

15.6" FHD (1920x1080) IPS 250nits Anti-glare, 45% NTSC, 120Hz

### Touchscreen

None

### Keyboard

Backlit, Czech / Slovak

### Case Color

Onyx Grey

### Surface Treatment

Painting

### Case Material

PC-ABS (Top), PC-ABS (Bottom)

### Dimensions (WxDxH)

359.6 x 266.4 x 21.8 mm (14.16 x 10.49 x 0.86 inches)

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

Around 2.315 kg (5.1 lbs)

## SOFTWARE

### Operating System

Windows® 11 Home, Czech / Slovak / English

### Bundled Software

Office Trial

## CONNECTIVITY

### Ethernet

100/1000M (RJ-45)

### WLAN + Bluetooth®

Wi-Fi® 6, 11ax 2x2 + BT5.1

### Standard Ports

- 2x USB 3.2 Gen 1
- 1x HDMI® 2.0
- 1x Ethernet (RJ-45)
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Power connector

### Optional Ports (configured)

1x Thunderbolt™ 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)

## SECURITY & PRIVACY

### Security Chip

Firmware TPM 2.0

### Fingerprint Reader

None

### Other Security

Camera privacy shutter

## SERVICE

### Base Warranty

2-year, Courier or Carry-in

### Included Upgrade

None

## ACCESSORIES

### Bundled Accessories

None

## CERTIFICATIONS

### Green Certifications

- ErP Lot 3
- RoHS compliant

## MODEL

TopSeller : No

Announce Date : 2023-01-20

EAN / UPC / JAN : 196804492483

End of Support : 2028-04-09



intel

To see more note information, please link to

[https://psref.lenovo.com/Detail/IdeaPad\\_Gaming\\_3\\_15IAH7?M=82S9012HCK](https://psref.lenovo.com/Detail/IdeaPad_Gaming_3_15IAH7?M=82S9012HCK)

- Lenovo reserves the right to change specifications or other product information without notice.
- Product image on this page is a sample, it may not match the real color of this model
- Battery life is an estimated maximum. Actual battery life may vary based on many factors, including screen brightness, active applications, features, power management settings, battery age and conditioning, and other customer preferences

## Premium Care - Advanced Support from Real People. Real Fast.



### REAL PERSON

Choose how you want to reach us - through the phone, chat or email - our expert technicians will take care of you.



### REAL FAST

Highly trained technicians will provide you real-time solutions, whatever the issue, on your first contact. If needed, our team will schedule an onsite visit for the next business day.



### HASSLE FREE

'Getting started' and 'how-to' assistance for hardware and software. Easy solutions that are simple to reach - that's how Premium Care delivers you the ideal support experience.



### PC HEALTH CHECK

Free annual PC Health Check that allows our experts to spot issues before you do so they can resolve them quickly and help you avoid PC problems.

## Accidental Damage Protection - Protection of your PC from the unexpected.

Experience shows that a significant portion of devices may be damaged (and not covered under warranty) in the first three years. Lenovo's Accidental Damage Protection service covers accidents beyond the system warranty such as drops, spills, bumps and even electrical surges. Make sure your new device has maximum protection, avoid unplanned costs and get peace of mind.

## Base Warranty – Included with the systems you purchase, default 1- or 3-year coverage window.

## Warranty Extensions & Upgrades – Service and protection that's right for your circumstances.

- Pick Up & Return Courier
- Onsite Support
- Technician Installed Customer
- Replaceable Unit Service
- International Warranty Upgrade

Lenovo may not offer the products, services or features discussed in this document in all regions. Lenovo may withdraw an offering at any time. Consult your local representative for information on offerings available in your area. 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.

## Recommended Accessories



### ThinkPad Hybrid USB-C with USB-A Dock (American Standard Plug Type B)

40AF0135US

The ThinkPad Hybrid USB-C with USB-A Dock expands the capabilities of most any laptop, new or old, making it perfect for enterprise customers with mixed-PC or shared-desk environments. Featuring enterprise-class manag...



### ThinkPad UltraSlim USB DVD Burner

4XA0E9775

ThinkPad UltraSlim USB DVD Burner -- is a small form factor external portable DVD and CD recordable drive that can be attached to Notebooks with USB2.0 port or USB3.0 port. With 9.5mm UltraSlim engine, 20% slimmer tha...

For a full list of accessories and services, please visit:  
<https://smartfind.Lenovo.com>

**Lenovo**

**PSREF**  
Product Specifications  
Reference