

## PERFORMANCE

### Processor

Intel® Core™ i7-12650H, 10C (6P + 4E) / 16T, P-core 2.3 / 4.7GHz, E-core 1.7 / 3.5GHz, 24MB

### Graphics

NVIDIA® GeForce RTX™ 3050 Ti 4GB GDDR6, Boost Clock 1695MHz, TGP 85W

### Chipset

Intel SoC Platform

### Memory

2x 8GB SO-DIMM DDR4-3200

### Memory Slots

Two DDR4 SO-DIMM slots, dual-channel capable

### Max Memory<sup>(1)</sup>

Up to 16GB DDR4-3200 offering

### Storage

1TB SSD M.2 2242 PCIe® 4.0x4 NVMe®

### Storage Support<sup>(2)</sup>

Up to two drives, 2x M.2 SSD

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

FHD 1080p with Privacy Shutter

### Microphone

2x, Array

### Battery

Integrated 71Wh

### Power Adapter

170W Slim Tip (3-pin)

## DESIGN

### Display<sup>(3)</sup>

16" WUXGA (1920x1200) IPS 350nits Anti-glare, 100% sRGB, 165Hz

### Touchscreen

None

### Keyboard

White Backlit, Slovenian

### Case Color

Onyx Grey

### Surface Treatment

Painting

### Case Material

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

### Dimensions (WxDxH)<sup>(4)</sup>

359.6 x 277.8 x 20.9 mm (14.16 x 10.94 x 0.82 inches)

### Weight<sup>(5)</sup>

Around 2.6 kg (5.7 lbs)

## SOFTWARE

### Operating System

None

### Bundled Software

None

## CONNECTIVITY

### Ethernet

100/1000M (RJ-45)

### WLAN + Bluetooth<sup>(6)</sup>

Wi-Fi® 6, 11ax 2x2 + BT5.1

### Standard Ports

- 2x USB 3.2 Gen 1
- 1x HDMI®, up to 4K/30Hz
- 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

## MANAGEABILITY

## 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 : Yes

Announce Date : 2022-11-03

EAN / UPC / JAN : 196803567588

End of Support : 2028-06-13



intel

To see more note information, please link to [https://psref.lenovo.com/Detail/IdeaPad\\_Gaming\\_3\\_16IAH7?M=82SA00HOYA](https://psref.lenovo.com/Detail/IdeaPad_Gaming_3_16IAH7?M=82SA00HOYA)

## 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

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## 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...



### Lenovo Powered USB-C Travel Hub

4X90S92381

Travel-Ready Productivity Powerhouse; One-stop travel docking is finally here. Connect and charge new and legacy devices wherever you happen to be. Sleek and compact, the Lenovo Powered USB-C Travel Hub fits unlimited...

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

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**PSREF**  
Product Specifications  
Reference