# IdeaPad Gaming 3 15IAH7 82S9016NTX

PSREF
Product Specifications Reference

## 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™ 3060 6GB GDDR6, Boost Clock 1642MH, TGP 105W

**Chipset**
Intel SoC Platform

**Memory**
1x 16GB SO-DIMM DDR4-3200

**Memory Slots**
Two DDR4 SO-DIMM slots, dual-channel capable

**Max Memory[1]**
Up to 16GB DDR4-3200 offering

**Storage**
512GB SSD M.2 2280 PCIe® 3.0x4 NVMe®

**Storage Support[2]**
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**
HD 720p with Privacy Shutter

**Microphone**
2x, Array

**Battery**
Integrated 60Wh

**Power Adapter**
230W Slim Tip (3-pin)

## DESIGN

**Display[3]**
15.6" FHD (1920x1080) IPS 250nits Anti-glare, 45% NTSC, 120Hz

**Touchscreen**
None

**Color Calibration**
No color calibration

**Keyboard**
Backlit, Turkish

**Case Color**
Onyx Grey

**Surface Treatment**
Painting

**Case Material**
PC-ABS (Top), PC-ABS (Bottom)

**Dimensions (WxDxH)[4]**
359.6 x 266.4 x 21.8 mm (14.16 x 10.49 x 0.86 inches)

**Weight[5]**
Around 2.315 kg (5.1 lbs)

## SOFTWARE

**Operating System**
None

**Bundled Software**
None

## CONNECTIVITY

**Ethernet**
100/1000M (RJ-45)

**WLAN + Bluetooth®[6]**
Wi-Fi® 6, 11ax 2x2 + BT5.1

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

**Optional Ports (configured)**
1x USB-C® 3.2 Gen 2 (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)

**Docking**
Various docking solutions supported via Thunderbolt™ / USB-C. For more compatible docking solutions, please visit Docking for IdeaPad® Gaming 3 15IAH7

## 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[7]**
None

## CERTIFICATIONS

**Green Certifications**
- ErP Lot 3
- RoHS compliant

## MODEL

| | | | |
|---|---|---|---|
| **TopSeller** | : Yes | **Announce Date** | : 2023-05-19 |
| **EAN / UPC / JAN** | : 197528641775 | **End of Support** | : 2028-04-09 |



Product image is a sample, it may not match the real color of this model

Note:
[1] The max memory is based on the test results with current Lenovo memory offerings.
[2] The storage capacity supported is based on the test.....

· Lenovo reserves the right to change specifications without notice.

To see more note information, please link to
https://psref.lenovo.com/Detail/1901?M=82S9016NTX

## 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 is a productivity solution for any USB-C or USB-A laptop, including non-Lenovo laptops from Dell, HP, and Apple, providing power, display, and port expansion in any m...



### ThinkPad UltraSlim USB DVD Burner

4XA0E97775

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**

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**Product Specifications Reference**