

IdeaPad Gaming 3 15ACH6 82K20290PG

Lenovo

PSREF
Product Specifications
Reference

PERFORMANCE

Processor

AMD Ryzen™ 5 5500H (4C / 8T, 3.3 / 4.2GHz, 2MB L2 / 8MB L3)

Graphics

NVIDIA® GeForce RTX™ 2050 4GB GDDR6

Chipset

AMD 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 2242 PCIe® 4.0x4 NVMe®

Storage Support^[2]

Non-RTX 3060 models: up to two drives, 2x M.2 SSD or 1x 2.5" HDD + 1x M.2 SSD

- 2.5" HDD up to 1TB
- M.2 2242 SSD up to 512GB
- M.2 2280 SSD up to 1TB

Storage Slot

Non-RTX 3060 models: one 2.5" drive slot + two M.2 slots

- One 2.5" SATA HDD slot
- One M.2 2242 PCIe 3.0 x4 slot
- One M.2 2280 PCIe 3.0 x2 slot

HDD slot and M.2 2280 slot are used exclusively

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 45Wh

Power Adapter

135W Slim Tip (3-pin)

DESIGN

Display^[3]

15.6" FHD (1920x1080) IPS 250nits Anti-glare, 45% NTSC, 60Hz

Touchscreen

None

Keyboard

White Backlit, Portuguese

Case Color

Shadow Black

Surface Treatment

IMR (In-Mold Decoration by Roller)

Case Material

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

Dimensions (WxDxH)^[4]

359.6 x 251.9 x 24.2 mm (14.16 x 9.92 x 0.95 inches)

Weight^[5]

Around 2.25 kg (4.96 lbs)

SOFTWARE

Operating System

None

Bundled Software

None

CONNECTIVITY

Ethernet

100/1000M (RJ-45)

WLAN + Bluetooth®

11ac 2x2 + BT5.0

Standard Ports

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

SECURITY & PRIVACY

Security Chip

Firmware TPM 2.0

Fingerprint Reader

None

Other Security

Camera privacy shutter

SERVICE

Base Warranty

3-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 : 2023-09-05

EAN / UPC / JAN : 197532721159

End of Support : 2027-07-02



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 results with current Lenovo storage offerings.

^[3] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

^[4] The system dimensions may vary depending on configurations.

^[5] 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.

· Lenovo reserves the right to change specifications without notice.

To see more note information, please link to
<https://psref.lenovo.com/Detail/1620?M=82K20290PG>

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.

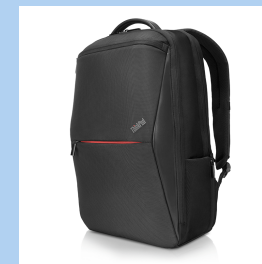
Base Warranty – Included with the systems you purchase, default 1- or 3-year coverage window.

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 Professional 15.6-inch Backpack

4X40Q26383

The Lenovo ThinkPad Professional Backpack is a streamlined yet versatile backpack for the on-the-go professional. This clean, modern design carries, protects, and organizes your mobile office, while premium, lightweight...



ThinkPad X1 Active Noise Cancellation Headphones

4XD0U47635

The ThinkPad X1 Active Noise Cancellation headphones provide rich, first-class listening and calling in any noise environment. Lenovo has partnered with Synaptics AudioSmart to create industry-leading headphones with H...

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

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