

PERFORMANCE

Processor
AMD Ryzen™ 5 220 (6C / 12T, 3.2 / 4.9GHz, 6MB L2 / 16MB L3)
AI PC Category ^[1]
AI-Powered Gaming PC
NPU
None
Graphics
NVIDIA® GeForce RTX™ 5050 8GB GDDR7, Boost Clock 2662MHz, TGP 100W, 440 AI TOPS
Chipset
AMD SoC Platform
Memory
1x 16GB SO-DIMM DDR5-5600
Memory Slots
Two DDR5 SO-DIMM slots, dual-channel capable
Max Memory ^[2]
Up to 32GB DDR5-5600 offering
Storage
512GB SSD M.2 2242 PCIe® 4.0x4 NVMe®
Storage Slot ^[3]
Two M.2 2280 PCIe® 4.0 x4 slots
Max Storage Support ^[4]
Up to two drives, 2x M.2 SSD
• M.2 2242 SSD up to 1TB each
Optical
None
Card Reader
None
Audio Chip
High Definition (HD) Audio, Realtek® ALC3287 codec
Speakers
Stereo speakers, 2W x2, optimized with Nahimic Audio
Microphone
2x, Array
Camera
5.0MP with E-shutter
Battery
60Wh
Power Adapter
170W Slim Tip (3-pin)
Special Features
AI Chip: LA1

DESIGN

Display ^[5]
15.6" FHD (1920x1080) IPS 300nits Anti-glare, 100% sRGB, 144Hz, G-SYNC®
Touchscreen
None
Screen-to-Body Ratio
88% AAR (active area ratio)
Color Calibration
None
Pen
Pen Not Supported
Keyboard
White Backlit, Russian
Touchpad
Buttonless Mylar® surface multi-touch touchpad, supports Precision TouchPad (PTP), 75 x 120 mm (2.95 x 4.72 inches)
Dimensions (WxDxH) ^[6]
359.86 x 258.7 x 21.9-23.9 mm (14.17 x 10.19 x 0.86-0.94 inches)
Weight ^[7]
Starting at 2.4 kg (5.29 lbs)
Case Color
Luna Grey
Case Material
PC-ABS (Top), PC-ABS (Bottom)
Surface Treatment
Painting

SOFTWARE

Operating System
None
Bundled Software
None

CONNECTIVITY

WLAN + Bluetooth ^[8]
Wi-Fi® 6, 802.11ax 2x2 + BT5.3
WWAN
Non-WWAN
Ethernet
100/1000M (RJ-45)
Standard Ports ^[9]
3x USB-A (USB 5Gbps / USB 3.2 Gen 1) 1x USB-C® (USB 10Gbps / USB 3.2 Gen 2), with USB PD 65-100W and DisplayPort™ 1.4 1x HDMI® 2.1, up to 8K/60Hz 1x Headphone / microphone combo jack (3.5mm) 1x Ethernet (RJ-45) 1x Power connector

Docking
Various docking solutions supported via or USB-C®. For more compatible docking solutions, please visit , Docking for LOQ™ 15AHP10
SECURITY & PRIVACY
Security Chip
Firmware TPM 2.0 Enabled
Fingerprint Reader
None
Other Security
E-shutter

SERVICE

Base Warranty
2-year, Courier or Carry-in
Included Upgrade
None

ACCESSORIES

Bundled Accessories
None

CERTIFICATIONS

Green Certifications
- ErP Lot 6/26 - RoHS compliant
Other Certifications
TÜV Rheinland® Low Blue Light (Software Solution)

MODEL

TopSeller	: No	Announce Date	: 2025-07-31
EAN / UPC / JAN	: 198156933164	End of Support	: 2031-06-22

Note:

[1] AI-Powered Gaming PCs feature Lenovo AI Engine+ and NVIDIA GeForce RTX GPUs to handle AI-driven tasks and deliver exceptional gaming performance.

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

[3] The 1st SSD slot supports PCIe 4.0 x4 Lanes, while the 2nd SSD slot supports PCIe 4.0 x2 Lanes.

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

[5] IPS (in-plane switching) technology may refer to IPS,.....

· Lenovo reserves the right to change specifications without notice.

To see more note information, please access the [web page](#).

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



Lenovo USB-C 7-in-1 Hub

4X90V55523

Travel - Ready Productivity. One-stop travel docking is finally here. Connect and charge new and legacy devices wherever you happen to be. Sleek and compact, the Lenovo USB-C 7-in-1 Hub fits unlimited productivity i...



Lenovo Professional Wireless Combo Keyboard & Mouse (US English)

4X30H56796

This sleek and stylish full-size keyboard and mouse combo offers exceptional quality in a modern wireless solution. The slim 3-zone keyboard with number pad has responsive quiet keys and a premium typing experience. O...

Please click [here](#) to view the full list of accessories.

Lenovo

PSREF
Product Specifications
Reference