

IdeaPad Pro 5 16IRH8

PERFORMANCE

Processor
Intel® Core™ i5-13500H, 12C (4P + 8E) / 16T, P-core 2.6 / 4.7GHz, E-core 1.9 / 3.5GHz, 18MB
Graphics
NVIDIA® GeForce RTX™ 4050 6GB GDDR6
Chipset
Intel® SoC Platform
Memory
16GB Soldered LPDDR5-5200
Memory Slots
Memory soldered to systemboard, no slots, dual-channel
Max Memory
16GB soldered memory, not upgradable
Storage
512GB SSD M.2 2242 PCIe® 4.0x4 NVMe®
Storage Support^[1]
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
SD Card Reader
Optical
None
Audio Chip
High Definition (HD) Audio, Realtek® ALC3287 codec
Speakers
Stereo speakers, 2W x2, optimized with Dolby Atmos®
Camera
FHD 1080p + IR with Privacy Shutter, ToF Sensor
Microphone
2x, Array
Battery^[2]
Integrated 75Wh
Power Adapter
170W Slim Tip (3-pin)
DESIGN
Display^[3]
16" 2.5K (2560x1600) IPS 350nits Anti-glare, 100% sRGB, 120Hz, Eyesafe®, G-Sync
Touchscreen
None

Keyboard
Backlit, English
Touchpad
Buttonless glass surface multi-touch touchpad, supports Precision TouchPad (PTP), 80 x 135 mm (3.15 x 5.31 inches)
Case Color
Arctic Grey
Surface Treatment
Aluminium Stamping (Anodized with Sandblasting)
Case Material
Aluminium (Top), Aluminium (Bottom)
Pen
Pen Not Supported
Dimensions (WxDxH)^[4]
356 x 251 x 17.5 mm (14.02 x 9.88 x 0.69 inches)
Weight^[5]
Starting at 1.95 kg (4.30 lbs)
SOFTWARE
Operating System
None
Bundled Software
None
CONNECTIVITY
Ethernet
No Onboard Ethernet
WLAN + Bluetooth^[6]
Wi-Fi® 6E, 802.11ax 2x2 + BT5.2
WWAN
Non-WWAN
Standard Ports
• 1x USB 3.2 Gen 1
• 1x USB 3.2 Gen 1 (Always On)
• 1x USB-C® 3.2 Gen 2 (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
• 1x Thunderbolt™ 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
• 1x HDMI® 2.1, up to 4K/60Hz
• 1x Headphone / microphone combo jack (3.5mm)
• 1x SD card reader
• 1x Power connector
Docking
Various docking solutions are supported via Thunderbolt™ or USB-C®.
For more compatible docking solutions, please visit Docking for IdeaPad® Pro 5 16IRH8
Monitor Cable
None

SECURITY & PRIVACY

Security Chip
Firmware TPM 2.0 Enabled
Fingerprint Reader
None
Other Security
• Camera privacy shutter
• IR camera for Windows® Hello (facial recognition)
SERVICE
Base Warranty
2-year, Courier or Carry-in
Included Upgrade
None
ACCESSORIES
Bundled Accessories^[7]
None
CERTIFICATIONS
Green Certifications
• ErP Lot 6/26
• RoHS compliant
Other Certifications
• Eyesafe® Certified 2.0
• TÜV Rheinland® Low Blue Light (Hardware Solution)
Mil-Spec Test
MIL-STD-810H military test passed (21 test items)
MODEL
TopSeller : Yes
Announce Date : 2023-04-14
EAN / UPC / JAN : 197529886007
End of Support : 2029-03-20

Note:

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

[2] Rapid Charge Express is only effective in hibernates or fully shutting down the computer.

[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.

[6] Wi-Fi 6E full features might be limited by country-level restrictions. 6GHz Wi-Fi 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi 6E, and the regional regulatory certifications & spectrum allocation.

[7] For compatible accessory solutions, please visit

· Lenovo reserves the right to change specifications without notice.

To see more note information, please link to <https://psref.lenovo.com/Detail/2170?M=83AQ0046RM>

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.

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.

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.

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

Lenovo USB-C Mini Dock_US

Expand Your Potential with An Universal Mini Dock; Lenovo understands that modern business depends on a wide variety of PC's and even brands to meet their business needs. To make this easier Lenovo USB-C Mini dock is ...

Lenovo USB-C to Ethernet Adapter

The Lenovo USB-C to Ethernet Adapter is quick and easy way to connect your USB-C enabled notebook to Ethernet connections. It's ideal for imaging of systems or transferring large files quickly.

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

PSREF
Product Specifications
Reference