## IdeaPad Pro 5 16IRH8 83AQ003VCK

# Lenovo PSREF Product Specifications Reference

## **PERFORMANCE**

#### **Processor**

Intel® Core™ i7-13700H, 14C (6P + 8E) / 20T, P-core 2.4 / 5.0GHz. E-core 1.8 / 3.7GHz. 24MB

#### **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

1TB SSD M.2 2280 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 PCle 4.0 x4 slot
- One M.2 2280 PCle 4.0 x4 slot

#### **Card Reader**

4-in-1 Card Reader

## **Optical**

None

## **Audio Chip**

High Definition (HD) Audio, Realtek® ALC3287 codec

#### Speakers

Stereo speakers, 2W x2, optimized with Dolby® Atmos®

#### Camer

FHD 1080p + IR with Privacy Shutter, ToF Sensor

## Microphone

2x, Array

## Battery<sup>[2]</sup>

Integrated 75Wh

## Max Battery Life[3]

MobileMark® 2018@200nits: 8.5 hr

Local video (1080p) playback@150nits: 14 hr

## **Power Adapter**

170W Slim Tip (3-pin)

#### **Display**

16" 2.5K (2560x1600) IPS 350nits Anti-glare, 100% sRGB, 120Hz. TÜV Low Blue Light. Eyesafe®

#### Touchscreen

None

#### Keyboard

Backlit, Czech / Slovak

#### **Case Color**

Arctic Grey

## **Surface Treatment**

Aluminium Stamping (Anodized with Sandblasting)

#### **Case Material**

Aluminium (Top), Aluminium (Bottom)

#### Dimensions (WxDxH)[4]

356 x 251 x 17.5 mm (14.02 x 9.88 x 0.69 inches)

#### Weight<sup>[5]</sup>

Starting at 1.95 kg (4.30 lbs)

## **SOFTWARE**

## **Operating System**

Windows® 11 Home, Czech / Slovak / English

## **Bundled Software**

Office Trial

## CONNECTIVITY

#### Ethernet

No Onboard Ethernet

#### WLAN + Bluetooth®[6][7]

Wi-Fi® 6E, 11ax 2x2 + BT5.1

## **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<sup>™</sup> 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort 1.4)
- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Card reader
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Power connector

## **Monitor Cable**

None

#### SECURITY & PRIVACY

## **Security Chip**

Firmware TPM 2.0 Enabled

## **DESIGN**

- · Lenovo reserves the right to change specifications or other product information without notice.
- · Product image on this page is a sample, it may not match the real color of this model
- Battery life is an estimated maximum. Actual battery life may vary based on many factors, including screen brightness, active applications, features, power management settings, battery age and conditioning, and other customer preferences

#### **Fingerprint Reader**

None

#### **Other Security**

- Camera privacy shutter
- IR camera for Windows® Hello

## MANAGEABILITY

## **SERVICE**

#### **Base Warranty**

2-year, Courier or Carry-in

## **Included Upgrade**

None

## **ACCESSORIES**

## **Bundled Accessories**

None

## **CERTIFICATIONS**

## Green Certifications[8]

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered
- FrP Lot 6
- ErP Lot 26
- RoHS compliant

### Other Certifications

- Evesafe® 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
 : 2023-04-08

 EAN / UPC / JAN
 : 197529588475
 End of Support
 : 2029-03-20



To see more note information, please link to https://psref.lenovo.com/Detail/IdeaPad\_Pro\_5\_16IRH8?M=83AQ003VCK.

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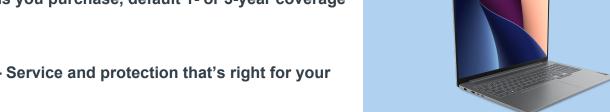
Experience shows that a significant portion of devices may be damaged (and not covered under warranty) in the first three years. Lenovo's Accidental Damage Protection service covers accidents beyond the system warranty such as drops, spills, bumps and even electrical surges. Make sure your new device 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 PSREF
Product Specifications
Reference

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