

Lenovo
ThinkPad

Lenovo ThinkPad P16 Gen 2 Next-Level Power and Performance

Lenovo



The Lenovo ThinkPad P16 is a power-packed mobile workstation built for the ultimate professional user. Featuring the latest Intel vPro® with 13th Gen Intel® Core™ HX series processors and unmatched graphics with support for up to NVIDIA RTX™ 5000 Ada Generation, this workstation is built for those who demand the highest level of power and performance while on-the-go.

Processor:

**5.6GHz
24 Cores**

Intel vPro with 13th Gen Intel Core i5, i7, i9 HX-Series

Graphics:

**NVIDIA RTX
5000 Ada**

Choice of discrete or integrated graphics

Memory:

**192GB
DDR5¹**

4x SoDIMMs
ECC or non-ECC

Storage:

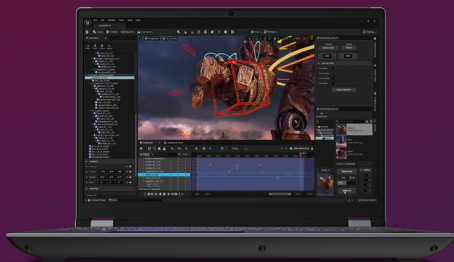
**8TB M.2
PCIe Gen4**

Up to two 4TB NVMe Performance SSDs

Features



New Modernized Design
Built with sustainable materials and certifications



16" 16:10 Display
Four high quality options to suit your budget



Security
The latest security features including dTPM 2.0, an embedded chip dedicated to storing encryption keys



ISV Certifications
Certified by many of the leading industry software applications

Lenovo ThinkPad P16 Gen 2 Product Specifications[^]

Performance

Processor

Intel vPro[®] with 13th Gen Intel[®] Core[™] i5, i7, i9 HX-Series (up to 24 cores, up to 5.6GHz)¹

Graphics

Discrete: up to NVIDIA RTX[™] 5000 Ada 16GB GDDR6 VRAM

Processor Integrated: Intel UHD Integrated Graphics²

Total Memory

Up to 192GB DDR5 5600MHz^{1,3}

Memory DIMM Capacity

16GB / 32GB ECC
8GB / 16GB / 32GB / 48GB non-ECC
4 SoDIMM slots

Total Storage

Up to 8TB M.2 PCIe Gen4 NVMe Performance SSD

Up to 2 x 4TB drives

RAID

0/1

Camera

FHD Camera with ThinkPad Webcam Privacy Shutter

FHD Hybrid IR⁴ Camera with ThinkPad Webcam Privacy Shutter and Human Presence Detection

Battery

94Whr

Power Supply

170W Slim

230W Slim

Design

Dimensions (WxDxH)

(mm): 364 x 266 x 30.23

(inches): 14.3 x 10.5 x 1.2

Weight

Starting at 2.95kg / 6.5lbs

Maximum 3.2kg / 7.05lbs

Keyboard

ThinkPad Keyboard with Numeric Keypad, Backlit, Spill Resistant

Display

16" 16:10 Display

WQUXGA (UHD+) (3840x2400)

- OLED Touch, 400nit, 100% DCI-P3, Anti-Reflective/Anti-Smudge, HDR500 True Black, Dolby Vision, X-Rite FCC, LBL, TÜV, Eyesafe

- IPS, 800nit, 100% DCI-P3, HDR400, Dolby Vision, X-Rite FCC, AG, LBL, TÜV, Eyesafe

WQXGA (QHD+) (2560 x 1600)

- IPS, 500nit, 100% sRGB, 165Hz, X-Rite FCC, AG, LBL, TÜV, Eyesafe

WUXGA (FHD+) (1920 x 1200)

- IPS, 300nit, 100% sRGB, X-Rite FCC, AG, LBL, TÜV, Eyesafe

Connectivity

Ports

(2) USB-A 3.2 Gen 1 (5Gbps)⁵,
1 Always On

(2) USB-C[®] Thunderbolt[™] 4

(1) USB-C 3.2 Gen 2 (10Gbps)⁵

(1) HDMI 2.1[^]

(1) Mic/Headphone Combo Jack

(1) Smart Card Reader⁴

WLAN

Intel Wi-Fi 6E AX211 (2x2ax) + Bluetooth[™] 5.3^{5,6}

WWAN

Fibocom L860-GL 4G LTE CAT16 with eSIM⁴

Near Field Communication (NFC)⁴

Media Card Reader

SD Express 7.0 Card Reader

1 192GB non-ECC; ECC max = 128GB

2 Dual RAM channel required

3 Memory spec frequency listed; system support frequency may vary by configuration

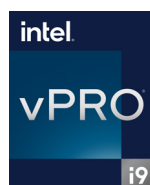
4 Optional

5 6GHz channel of Wi-Fi 6E is only available with Windows 11

6 Bluetooth 5.3 is hardware ready but may run at a lower version due to OS limitation

[^] For a full list of configuration details, specifications, and any limitations please visit:
<https://psref.lenovo.com>

* USB port transfer speeds are approximate and depend on many factors, such as processing capability of host/peripheral devices, file attributes, system configuration and operating environments; actual speeds will vary and may be less than expected.



Lenovo

Smarter
technology
for all

Lenovo Options & Accessories



ThinkVision P40w Display



ThinkPad Workstation Thunderbolt™ 4 Dock

PN: 40B00300xx



ThinkReality A3 XR1 3G+32G

For a full list of accessories and options, please visit: accsmartfind.lenovo.com

For more details on ThinkStation and ThinkPad, please visit: lenovo.com/workstations

Visit us on social media: [#lenovoworkstations](https://twitter.com/lenovoworkstations)



May 2023 ©Lenovo. All rights reserved. Lenovo is not responsible for photographic or typographic errors. Lenovo makes no representation or warranty regarding third-party products or services. LENOVO, ThinkStation, and ThinkPad are trademarks of Lenovo.

Lenovo ThinkPad P16 Gen 2 General Specifications[^]

Software

Operating System

- Windows 11 Pro
- Windows 11 Home
- Windows 10 Pro (preinstalled Through downgrade rights in Windows 11 Pro)
- Ubuntu[®] Linux^{®1}
- Red Hat[®] Enterprise Linux[®] (certified)
- Fedora[®] Linux

Windows Preloads

Lenovo Commercial Vantage

Additional Features

- Ultra Performance Mode
- Self Healing BIOS

ISV Certifications

Including ArcGIS[®], AutoCAD[®], CATIA[®], Creo[®], Inventor[®], Microstation[®], NX[®], Solid Edge[®], SOLIDWORKS[®], Vectorworks[®], Petrel[®], Decision Space[®], 3dsMax[®], Maya[®]

For a complete list of ISV certifications visit <https://thinkworkstations.com/>

Security

ThinkShield

- dTPM 2.0
- Touch Fingerprint Reader
- ThinkPad Webcam Privacy Shutter
- Kensington Lock Slot

Sustainability

Materials

- 50% Recycled Aluminum A Cover
- 90% Recycled Magnesium C Cover
- 85% PCC Plastic Key Caps (non-Black Keyboard)
- 90% PCC Plastic Speaker Enclosure
- 90% PCC Plastic Battery Pack Enclosure
- 30% PCC Plastic 170W Slim AC Adapter
- Low Temperature Solder²
- Plastic free packaging with 90% recycled and/or FSC certified content (standard/bulk)³

Certifications

- EPEAT^{®4} Gold
- ENERGY STAR⁵
- RoHS Compliant
- TCO 9.0

Recommended Services

Lenovo offers a comprehensive portfolio of services to support and protect your ThinkPad investment—so you can focus on your business, not your IT.

Premier Support

Bypass phone menus and scripted troubleshooting to access advanced-level technicians with the expertise needed to quickly diagnose and solve problems.

Warranty Extensions (1 to 5 years total duration)

This fixed-term, fixed-cost service helps you accurately budget for PC expenses, protect your valuable investment, and potentially lower the cost of ownership over time.

Warranty Upgrades—Onsite and Next Business Day

Maximizes PC uptime and productivity by providing convenient, fast repair service the next business day.

1 Select versions available via preload

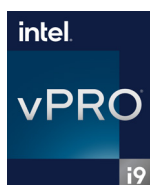
2 SSD, fingerprint reader module, ClickPad

3 Product packaging shall contain, on average, a minimum total percentage of 90% by weight of any combination of the following materials: Recycled content, biobased plastic, non-wood biobased fiber material, and/or sustainably forested material.

4 Certification available on select models

5 Certification available on select models; EPEAT registered where applicable. EPEAT registration varies by country. See www.epeat.net for registration status by country

[^] For a full list of configuration details, specifications, and any limitations please visit: <https://psref.lenovo.com>



NVIDIA is a trademark and/or registered trademark of NVIDIA Corporation in the U.S. and other countries. Intel, Intel vPro, Core, and Thunderbolt are trademarks of Intel Corporation or its subsidiaries. Linux is the registered trademark of Linus Torvalds in the U.S. and other countries. Ubuntu is a registered trademark of Canonical Ltd. Microsoft and Windows are registered trademarks of Microsoft Corporation. Other company, product, and service names may be trademarks or service marks of others.

