

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 up to Intel® Core™ i9 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® Platform featuring Intel® Core™ processors

Graphics:

**NVIDIA RTX™
5000 Ada**

Choice of discrete or integrated graphics

Memory:

**192GB
DDR5¹**

4x SoDIMMs
ECC or non-ECC

Storage:

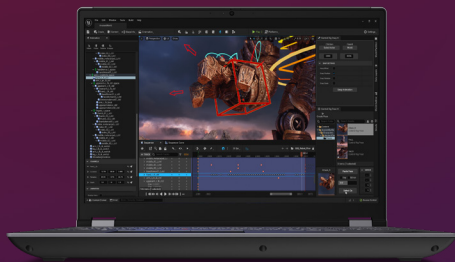
**8TB M.2
PCIe® Gen4**

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® Core™ i7 HX-series processors (14th Gen)
(up to 20 cores, up to 5.5GHz)[^]

Intel vPro® Platform featuring Intel® Core™ i5, i7, i9 HX-series processors (13th Gen)
(up to 24 cores, up to 5.6GHz)[^]

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, 400nit, 100% sRGB, X-Rite FCC, AG, LBL, TÜV, Eyesafe®

Connectivity

Ports

(2) USB-A (USB 5Gbps)^{*}
1 Always On

(2) USB-C® (Thunderbolt™ 4)

(1) USB-C® (USB 10Gbps)^{*}

(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 Windows 11 supports Bluetooth® 5.3; Windows 10 runs at Bluetooth® 5.1 due to OS limitations

[^] 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 Options & Accessories



ThinkVision P32pz-30 Display



ThinkPad Workstation Thunderbolt™ 4 Dock



ThinkReality VRX



Scan for system overview, supported components, and technical specifications.

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)



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Lenovo ThinkPad P16 Gen 2 General Specifications[^]

Software

Operating System

Windows 11 Pro
Windows 11 Home
Ubuntu® Linux^{®1}
Fedora® Linux^{®1}
Red Hat® Enterprise Linux^{®2}

Windows Preloads

Lenovo Commercial Vantage

Additional Features

Ultra Performance Mode
Self Healing BIOS

ISV Certifications

Including AVID®, Altair®, ANSYS®, Bentley®, Dassault®, Nemetschek®, PTC®, Schlumberger®, and Siemens®.

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 Solder³
Plastic free packaging with 90% recycled and/or FSC certified content (standard/bulk)⁴

Certifications

EPEAT^{®5} Gold
ENERGY STAR^{®6}
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 Red Hat® Enterprise Linux® select versions certified

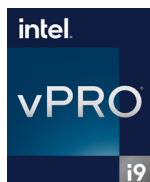
3 SSD, fingerprint reader module, ClickPad

4 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.

5 Certification available on select models

6 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>



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