

ThinkPad P1 Gen 5

PREMIUM POWER, TRUE MOBILITY



THE POWER YOU NEED, THE MACHINE YOU WANT

Powerful, mobile, and visually stunning, the ThinkPad P1 is the perfect combination of form and function designed to be admired. This sleek design hints at what's inside: a powerful system that offers the professional performance of the latest Intel Core processors and graphics support up to NVIDIA RTX A5500 GPU. Now with a liquid metal thermal design, the P1 provides improved cooling performance and long-term reliability.

Boasting a 16-inch panel, narrow bezel and a 16:10 aspect ratio for increased screen real estate, the P1 is a content creator's dream. Designed with the modern user in mind, the P1 offers low blue light displays, Dolby Vision and color calibration for crisp, clear images, plus ultimate 5G connectivity, creating the perfect combination of power, ultra-premium design, and true mobility.

FEATURES



12th Gen Intel® Core™ Processors



Up to NVIDIA RTX™ A5500 or NVIDIA® GeForce® RTX 3070 Ti / 3080 Ti Graphics



16" 16:10 Display with Low Blue Light & X-Rite Color Calibration



Thin & Light Carbon Fiber Weave or Black Chassis Options



64GB DDR5 4800MHz Memory



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



Sustainable materials & certifications

Lenovo

Lenovo Options & Accessories*



ThinkVision P27u-20
PN: 62CBRAR6**



ThinkPad Workstation Thunderbolt™ 4 Dock
PN: 40B00300**



Lenovo Go Wireless ANC Headset
PN: 4XD1C99221

Lenovo ThinkPad P1 Gen 5 Specifications^

PERFORMANCE

Processor

12th Gen Intel® Core™ i7, i9 H-Series
(up to 14 cores, up to 5.0GHz¹)

Operating System

Windows 11 Pro
Windows 11 Home
Windows 10 Pro (preinstalled through
downgrade rights in Windows 11 Pro)
Ubuntu® Linux⁸²
Red Hat® Linux® (certified)
Fedora® Linux

Graphics

Discrete: Up to NVIDIA RTX™ A5500
16GB VRAM or NVIDIA® GeForce® RTX
3070 Ti/3080 Ti 8GB/16GB VRAM

Processor Integrated: Intel Iris Xe³

Camera

FHD Camera with ThinkPad
Webcam Privacy Shutter

FHD Hybrid IR⁴ Camera with ThinkPad
Webcam Privacy Shutter

Total Memory

Up to 64GB DDR5 4800MHz

Memory DIMM Capacity

8GB / 16GB / 32GB
2 SoDIMM slots

Total Storage

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

Up to 2 drives

RAID

0/1

Battery

90Whr

Power Supply

135W Slim, 170W Slim, 230W Slim

CONNECTIVITY

Ports

(2) USB-A 3.2 Gen 1**¹, 1 Always On
(2) USB-C Thunderbolt 4
(1) HDMI 2.1
(1) Mic/Headphone Combo Jack
(1) SD Express 7.0 Card Reader

WLAN

Intel Wi-Fi 6E AX211 (2x2ax) with
Bluetooth™ 5.2 vPro⁵

WWAN

Fibocom FM350-GL 5G sub-6
with eSIM⁶

Near Field Communication (NFC)⁴

ThinkShield

dTPM 2.0

Fingerprint reader integrated with
power button (match-on-chip)

ThinkPad Webcam Privacy Shutter

Kensington Lock Slot

Tile Ready

SOFTWARE

Windows Preload

Lenovo Commercial Vantage

ISV CERTIFICATIONS⁶

Including ArcGIS®, AutoCAD®, CATIA®,
Creo®, Inventor®, Microstation®, NX®,
Solid Edge®, SolidWorks®, Vectorworks®

For a complete list of ISV certifications visit
<http://www.thinkworkstations.com/isv-certifications/>

ADDITIONAL FEATURES

Modern Standby

Wake on Voice⁷

Ultra Performance Mode

Self Healing BIOS

DESIGN

Display

16" 16:10 Display

WQUXGA (UHD+) (3840x2400)

- IPS Touch, AR-AS, 600nit, 100%
Adobe, Low Blue Light, HDR400,
Dolby Vision HDR, X-Rite FCC

- IPS, AG, 600nit, 100% Adobe,
Low Blue Light, HDR400,
Dolby Vision HDR, X-Rite FCC

WQXGA (QHD+) (2560x1600)

- IPS, AG, 500nit, 100% sRGB,
Low Blue Light, 165Hz, X-Rite FCC

WUXGA (FHD+) (1920x1200)

- IPS, AG, 300nit, 100% sRGB,
Low Blue Light, X-Rite FCC

Keyboard

ThinkPad Keyboard, Backlit,
Spill Resistant

Dimensions (WxDxH)

(mm): 359.5 x 253.8 x 17.7

(inches): 14.1 x 9.6 x 0.7

Weight

Starting at 3.99lbs (1.81kg)

SUSTAINABILITY

Material

Low-temperature solder

90% recycled and/or
sustainable packaging⁸

Green Certifications

EPEAT® Gold⁹

ENERGY STAR® 8.0

RoHS Compliant

TCO 9.0

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* For a full list of accessories and options, please visit:
<https://accsmartfind.lenovo.com>

^ For a full list of configuration details 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.

1: E-cores up to 3.8GHz, P-cores up to 5.0GHz

2 Select versions available via preload

3 Dual RAM channel required

4 Optional

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

6 Available on select models

7 Lid must be open

8 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.

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

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 Upgrades—Onsite and Next Business Day

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

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.

