

# 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



12<sup>th</sup> 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



ThinkPad Workstation Thunderbolt™ 4 Dock



ThinkReality A3 XR1 3G+32G

## Lenovo ThinkPad P1 Gen 5 Specifications^

### PERFORMANCE

#### Processor

12<sup>th</sup> Gen Intel® Core™ i7, i9 H-Series  
(up to 14 cores, up to 5.0GHz<sup>1</sup>)

#### Operating System

Windows 11 Pro  
Windows 11 Home  
Windows 10 Pro (preinstalled through  
downgrade rights in Windows 11 Pro)  
Ubuntu® Linux<sup>2</sup>  
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 Xe<sup>3</sup>

#### Camera

FHD Camera with ThinkPad  
Webcam Privacy Shutter

FHD Hybrid IR<sup>4</sup> 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\*\*<sup>1</sup>, 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™ 5.1 vPro<sup>5</sup>

#### WWAN

Fibocom FM350-GL 5G sub-6  
with eSIM<sup>6</sup>

Near Field Communication (NFC)<sup>4</sup>

#### 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 CERTIFICATIONS<sup>6</sup>

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 Voice<sup>7</sup>

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 packaging<sup>8</sup>

#### Green Certifications

EPEAT® Gold<sup>9</sup>

ENERGY STAR® 8.0

RoHS Compliant

TCO 9.0

\* 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](http://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.

