Introducing the ThinkPad P16, a power-packed mobile workstation built for the ultimate professional user. Packed with a new class of Intel® Core™ processors and unmatched NVIDIA RTX™ A5500 graphics support, the P16 is built for those who demand the highest level of power and performance, all in a 16-inch modernized design.

**ThinkPad P16 Gen 1**

**Performance Unpacked**

**Processor:**
- 5.0GHz
- 16 Cores
- 12th Gen Intel Core i5, i7, i9
- HX-Series
- 5.0GHz Max Turbo P-cores

**Graphics:**
- NVIDIA RTX A5500
- Choice of discrete or integrated graphics

**Memory:**
- 128GB DDR5
- 4x SoDIMMs
- ECC or non-ECC

**Storage:**
- Up to two 4TB NVMe Performance SSDs
Lenovo ThinkPad P16 Gen 1
Product Specifications

**Performance**

**Processor**
12th Gen Intel® Core™ i5, i7, i9 HX-Series (up to 16 cores, up to 5.0GHz)

**Graphics**
- Discrete: up to NVIDIA RTX™ A5500 16GB VRAM
- Processor Integrated: Intel UHD Integrated Graphics

**Total Memory**
Up to 128GB DDR5 4800MHz

**Memory DIMM Capacity**
- 16GB / 32GB ECC
- 8GB / 16GB / 32GB non-ECC

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

**Camera**
- FHD Camera with ThinkPad Webcam Privacy Shutter
- FHD Hybrid IR Camera with ThinkPad Webcam Privacy Shutter

**Battery**
94Whr

**Power Supply**
170W Slim
230W Slim

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

**Design**

**Dimensions (WxDxH)**
- (mm): 364 x 266 x 30.23
- (inches): 14.3 x 10.5 x 1.2

**Weight**
Starting at 6.5lbs (2.95kg)

**Keyboard**
ThinkPad Keyboard with Numeric Keypad, Backlit, Spill Resistant

**Connectivity**

**Ports**
- (2) USB-A 3.2 Gen 1*, 1 Always On
- (2) USB-C Thunderbolt 4
- (1) USB-C 3.2 Gen 2
- (1) HDMI 2.1^* (6GHz channel of Wi-Fi 6E is only available with Windows 11)
- (1) Mic/Headphone Combo Jack
- (1) Smart Card Reader

**WLAN**
- Intel Wi-Fi 6E AX211 (2x2ax) + Bluetooth™ 5.2 vPro®
- Fibocom L860-GL 4G LTE CAT16 with eSIM

**Media Card Reader**
- SD Express 7.0 Card Reader

**ISV Certifications**
Certified by many of the leading industry software applications

**Smarter technology for all**

1 Max Turbo Boost: P-Cores 5.0GHz, E-cores 3.60 GHz
2 Dual RAM channel required
3 Native 4800MHz, Actual 4000MHz
4 Optional
5 6GHz channel of Wi-Fi 6E is only available with Windows 11

* 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.
## Lenovo ThinkPad P16 Gen 1

### General Specifications

<table>
<thead>
<tr>
<th>Software</th>
<th>Security</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Operating System</strong></td>
<td><strong>ThinkShield</strong></td>
</tr>
<tr>
<td>Windows 11 Pro</td>
<td>dTPM 2.0</td>
</tr>
<tr>
<td>Windows 11 Home</td>
<td>Touch Fingerprint Reader</td>
</tr>
<tr>
<td>Windows 10 Pro (preinstalled Through downgrade rights in Windows 11 Pro)</td>
<td>ThinkPad Webcam Privacy Shutter</td>
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<tr>
<td>Ubuntu® Linux®</td>
<td>Kensington Lock Slot</td>
</tr>
<tr>
<td>Red Hat® Enterprise Linux® (certified)</td>
<td></td>
</tr>
<tr>
<td>Fedora® Linux</td>
<td></td>
</tr>
</tbody>
</table>

### 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 [http://www.thinkworkstations.com/isv-certifications/](http://www.thinkworkstations.com/isv-certifications/)

### Security Certifications

- EPEAT® Gold
- ENERGY STAR
- 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.

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1 Select Versions Available Via Preload
2 Certification Available on Select Models; EPEAT registered where applicable. EPEAT registration varies by country. See www.epeat.net for registration status by country

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