

ThinkPad P1 Gen 7

PSREF

Product Specifications
Reference

PERFORMANCE

Processor	Intel® Core™ Ultra 7 155H, 16C (6P + 8E + 2LPE) / 22T, Max Turbo up to 4.8GHz, 24MB
AI PC Category	AI-Ready Workstations
NPU	Integrated Intel® AI Boost, up to 11 TOPS
Graphics	NVIDIA® RTX 1000 Ada Generation 6GB GDDR6
Chipset	Intel® SoC Platform
Memory^[1]	32GB LPCAMM2 LPDDR5x-7500
Memory Slots	One LPCAMM2 connector, dual-channel
Max Memory	Up to 64GB (1x 64GB LPCAMM2), upgradable
Storage	1TB SSD M.2 2280 PCIe® 4.0x4 Performance NVMe® Opal 2.0
Storage Support	Up to two drives, 2x M.2 SSD <ul style="list-style-type: none">• M.2 2280 SSD up to 8TB, 4TB each• RAID 0/1 support
Storage Slot	Two M.2 2280 PCIe® 4.0 x4 slots
Card Reader	SD 7.0 Card Reader
Audio Chip	High Definition (HD) Audio, Realtek® ALC3306 codec
Speakers	Stereo speakers, 2W x2, Dolby Atmos®
Camera	5.0MP + IR with Privacy Shutter and Human Presence Detection
Microphone	2x, Array
Battery	Integrated 90Wh
Power Adapter	170W Slim Tip (3-pin)
DESIGN	
Display	16" WUXGA (1920x1200) IPS 400nits Anti-glare, 100% sRGB, 60Hz, TÜV Low Blue Light
Color Calibration	Factory Color Calibration

Keyboard	Backlit, German
Case Color	Black
Case Material	Aluminium (Top), Aluminium (Bottom)
Pen	Pen Not Supported
Dimensions (WxDxH)	354.4 x 241.2 x 17.05 mm (13.95 x 9.49 x 0.67 inches)
Weight	Starting at 1.82 kg (4.03 lbs)
SOFTWARE	
Operating System	Windows® 11 Pro, German
Bundled Software	Intel® Connectivity Performance Suite

CONNECTIVITY	
Ethernet	No Onboard Ethernet
WLAN + Bluetooth®	Intel® Wi-Fi® 7 BE200, 802.11be 2x2 + BT5.4
WWAN	Non-WWAN
SIM Card	No physical SIM card inbox

Standard Ports	<ul style="list-style-type: none">• 1x USB-A (USB 5Gbps / USB 3.2 Gen 1), Always On• 1x USB-C® (USB 10Gbps / USB 3.2 Gen 2), with USB PD 3.0 (135W input) and DisplayPort™ 1.4• 2x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 3.0 (135W input) and DisplayPort™ 2.1• 1x HDMI® 2.1, up to 8K/60Hz or 4K/240Hz• 1x Headphone / microphone combo jack (3.5mm)• 1x SD Express 7.0 card reader• 1x Security keyhole
Docking	Various docking solutions supported via Thunderbolt™ or USB-C®. For more compatible docking solutions, please visit Docking for ThinkPad® P1 Gen 7

SECURITY & PRIVACY

Smart Card Reader	No smart card reader
Security Chip	Discrete TPM 2.0 Enabled
Fingerprint Reader	Touch Style, Match-on-Chip, Integrated in Power Button
Physical Locks	Kensington® Nano Security Slot™, 2.5 x 6 mm
Other Security	<ul style="list-style-type: none">• Bottom cover tamper detection• Camera privacy shutter (camera models)• Ultrasonic Human Presence Detection for IR camera• IR camera for Windows® Hello (facial recognition)

MANAGEABILITY	
System Management	Non-vPro®
SERVICE	
Base Warranty	3-year, Courier or Carry-in
Included Upgrade	3Y Premier TP WS WHB (CPN), CO2 Offset 0.5 ton (2nd Generation Carbon Offset Projects)

CERTIFICATIONS	
Green Certifications	<ul style="list-style-type: none">• ENERGY STAR® 8.0• EPEAT™ Gold Registered• RoHS compliant• TCO Certified 10.0
Other Certifications	<ul style="list-style-type: none">• Intel® Evo™ Platform• TÜV Rheinland® Low Blue Light

Mil-Spec Test	MIL-STD-810H military test passed
ISV Certifications	Please visit ISV certifications for Lenovo® Workstations

MODEL			
TopSeller	: Yes	Announce Date	: 2024-05-28
EAN / UPC / JAN	: 0198153492992	End of Support	: 2030-12-28

Note:
[1] System comes with LPDDR5x-7500 modules and will run at 7467 MT/s due to platform limitations.
· Lenovo reserves the right to change specifications without notice.
To see more note information, please link to <https://psref.lenovo.com/Detail/2505?M=21KV001PGE>

Premier Support - A direct 24x7x365 line to our most elite technicians.

Advanced technical support, 24x7x365, in more than 100 markets

Technical Account Managers for proactive relationship and escalation management

Comprehensive hardware & OEM software support

Priority on service delivery and repair parts

Single point of contact for simplified end-to-end case management

Lenovo Service Connect Portal for customized reporting and product support

Accidental Damage Protection - Protection of your PC from the unexpected.

Experience shows that a significant portion of devices may be damaged (and not covered under warranty) in the first three years. Lenovo's Accidental Damage Protection service covers accidents beyond the system warranty such as drops, spills, bumps and even electrical surges. Make sure your new device has maximum protection, avoid unplanned costs and get peace of mind.

Base Warranty - Included with the systems you purchase, default 1- or 3-year coverage window.

Warranty Extensions & Upgrades - Service and protection that's right for your circumstances.

- Pick Up & Return Courier
- Onsite Support
- Technician Installed Customer
- Replaceable Unit Service
- International Warranty Upgrade

Lenovo may not offer the products, services or features discussed in this document in all regions. Lenovo may withdraw an offering at any time. Information is subject to change without notice. Consult your local representative for information on offerings available in your area. Lenovo reserves the right to change specifications or other product information without notice. Lenovo is not responsible for photographic or typographical errors. Lenovo provides this publication "as is" without warranty of any kind, either express or implied, including the implied warranties of merchantability or fitness for a particular purpose.

Recommended Accessories

ThinkPad Universal USB-C Dock

THE SMARTER WAY TO WORK Introducing the ThinkPad Universal USB-C Dock. This advanced, universally compatible one-cable docking solution lets you work smarter, not harder. It comes with a vast array of ports, next-gen ...

Recommended Services

BEST	5Y Premier Support upgrade from 3Y Premier Support+4Y Lenovo Support (Premier Support + KYD + 3Y SBTY + International Upg) (5WS0W86655, 5PS1D67029)
BETTER	4Y Premier Support upgrade from 3Y Premier Support (5WS0W86674)
GOOD	3Y Sealed Battery Add On (5WS0V07085)

For a full list of accessories and services, please visit:
<https://smartfind.Lenovo.com>

PSREF
Product Specifications
Reference