

ThinkPad P1 Gen 7

PSREF

Product Specifications
Reference

PERFORMANCE

Processor	Intel® Core™ Ultra 9 185H, 16C (6P + 8E + 2LPE) / 22T, Max Turbo up to 5.1GHz, 24MB
AI PC Category	AI-Ready Workstations
NPU	Integrated Intel® AI Boost, up to 11 TOPS
Graphics	NVIDIA® RTX 2000 Ada Generation 8GB GDDR6
Chipset	Intel® SoC Platform
Memory^[1]	64GB LPCAMM2 LPDDR5x-7500
Memory Slots	One LPCAMM2 connector, dual-channel
Max Memory	Up to 64GB (1x 64GB LPCAMM2), upgradable
Storage	2TB SSD M.2 2280 PCIe® 4.0x4 Performance NVMe® Opal 2.0
Storage Support	Up to two drives, 2x M.2 SSD • 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" WQUXGA (3840x2400) OLED 400nits Anti-reflection / Anti-smudge, 100% DCI-P3, 60Hz, DisplayHDR™ 400, Dolby Vision®, TÜV Eyesafe®, Touch
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Touchscreen	Add-on Film Touch, 10-point Multi-touch
Color Calibration	Factory Color Calibration
Keyboard	Backlit, English
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, English
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	• 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
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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	• 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	Intel® vPro® Enterprise
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SERVICE

Base Warranty	3-year, Courier or Carry-in
Included Upgrade	3Y Premier Support Upgrade from 3Y Courier/Carry-in

CERTIFICATIONS

Green Certifications	• ENERGY STAR® 8.0 • EPEAT™ Gold Registered • RoHS compliant • TCO Certified 10.0
Other Certifications	• Intel® Evo™ Platform • Eyesafe® Certified 2.0

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

TopSeller	: Yes	Announce Date	: 2024-05-28
EAN / UPC / JAN	: 198153495627	End of Support	: 2030-12-28

• Lenovo reserves the right to change specifications without notice.
• California Electronic Waste Recycling Fee In California, per state law, Lenovo charges an electronic waste recycling fee on this covered device at the time of sale of the product. For more information, go to: <https://www.calrecycle.ca.gov/Electronics/Consumer>

To see more note information, please link to
<https://psref.lenovo.com/Detail/2505?M=21KV000BUS>

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

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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	4Y Premier Support Plus upgrade from 3Y Premier Support (5WS1M86970)
BETTER	3Y Premier Support Plus upgrade from 3Y Premier Support (5WS1L39135)
GOOD	4Y Premier Support upgrade from 3Y Premier Support+3Y Lenovo Support (KYD + SBTY + International Upg) (5WS0W86674, 5PS1D67026)

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

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