

## PERFORMANCE

### Processor

Intel® Core™ i7-12850HX, 16C (8P + 8E) / 24T, P-core 2.1 / 4.8GHz, E-core 1.5 / 3.4GHz, 25MB

### Graphics

NVIDIA® RTX A2000 8GB GDDR6

### Chipset

Intel WM690 Chipset

### Memory

2x 16GB SO-DIMM DDR5-4800 Non-ECC

### Memory Slots

Four DDR5 SO-DIMM slots, dual-channel capable

### Max Memory

Up to 128GB (4x 32GB DDR5 SO-DIMM)

### Storage

1TB SSD M.2 2280 PCIe® 4.0x4 Performance NVMe® Opal 2.0

### Storage Support<sup>(9)</sup>

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

FHD 1080p + IR with Privacy Shutter

### Microphone

2x, Array

### Battery

Integrated 94Wh

### Power Adapter

170W Slim Tip (3-pin)

## DESIGN

### Display<sup>(10)(11)</sup>

16" WQXGA (3840x2400) IPS 600nits Anti-glare, 100% Adobe® RGB, DisplayHDR™ 400, Dolby Vision™, TÜV Low Blue Light

### Color Calibration

Factory Color Calibration

### Keyboard

Backlit, English

- Lenovo reserves the right to change specifications or other product information without notice.
- Battery life is an estimated maximum. Actual battery life may vary by hardware or system settings, active applications, battery conditioning, etc.
- 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>

### Case Color

Storm Grey (Top), Villi Black (Bottom)

### Case Material

Aluminium (Top), PPS + 50% GF (Bottom)

### Pen

No Support

### Dimensions (WxDxH)<sup>(12)</sup>

364 x 266 x 30.23 mm (14.3 x 10.5 x 1.2 inches)

### Weight<sup>(13)</sup>

Starting at 2.95 kg (6.5 lbs)

## SOFTWARE

### Operating System

Windows® 11 Pro, English

## CONNECTIVITY

### Ethernet

No Onboard Ethernet

### WLAN + Bluetooth<sup>(14)</sup>

Intel Wi-Fi® 6E AX211, 11ax 2x2 + BT5.1

### Standard Ports<sup>(15)</sup>

- Models with NVIDIA graphics: 1x HDMI® 2.1, up to 8K/60Hz
- 2x USB 3.2 Gen 1 (one Always On)
- 1x USB-C® 3.2 Gen 2 (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 2x Thunderbolt™ 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort 1.4)
- 1x Headphone / microphone combo jack (3.5mm)
- 1x SD Express 7.0 card reader

### Docking

Various docking solutions supported via Thunderbolt or USB-C.

For more compatible docking solutions, please visit [Docking for ThinkPad® P16 Gen 1](#)

## SECURITY & PRIVACY

### 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

- Camera privacy shutter
- Bottom cover tamper detection

## MANAGEABILITY

### System Management<sup>(16)(17)</sup>

Intel® vPro® Enterprise

## SERVICE

### Base Warranty

3-year, Courier or Carry-in

### Included Upgrade

3Y Sealed Battery Add On, 3Y Premier Support Upgrade from 3Y Courier/Carry-in

## CERTIFICATIONS

### Green Certifications<sup>(18)(19)</sup>

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered
- TCO Certified 9.0
- RoHS compliant

### Other Certifications

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	: 2023-06-13
EAN / UPC / JAN	: 197528676234	End of Support	: 2028-12-30



To see more note information, please link to [https://psref.lenovo.com/Detail/ThinkPad\\_P16\\_Gen\\_1?M=21D600BPUS](https://psref.lenovo.com/Detail/ThinkPad_P16_Gen_1?M=21D600BPUS).

## 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 USB-C Dock Gen 2

40AS0090US

- Lenovo understands that modern business depends on a wide variety of PC's and even brands to meet their business needs. To make this easier Lenovo USB-C dock is compatible with Lenovo notebooks as well as note...

## Recommended Services

BEST	5Y Lenovo Protect (Premier Support + ADP + KYD + International Service Entitlement) For Embedded MTM (5PS1K54547)
BETTER	4Y Lenovo Support (Premier Support + KYD + International Service Entitlement) For Embedded MTM (5PS1K54545)
GOOD	3Y Lenovo Protect (ADP + KYD + International Service Entitlement) For Embedded MTM (5PS1K54544)

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



**PSREF**  
Product Specifications  
Reference