



Lenovo ThinkPad P16 Gen 1 Intel® Core™ i5 i5-12600HX Mobile workstation 40.6 cm (16") WUXGA 32 GB DDR5-SDRAM 1 TB SSD NVIDIA RTX A2000 Wi-Fi 6E (802.11ax) Windows 11 Pro English Gray



Brand : Lenovo

Product family: ThinkPad

Product code: 21D60056US

Product name : ThinkPad P16 Gen 1

- Windows 11 Pro 64-bit
- Intel Core i5-12600HX (18MB Cache)
- 40.6 cm (16") WUXGA 1920 x 1200 IPS, NVIDIA RTX A2000 (8GB GDDR6)
- 32GB (4800MHz) DDR5-SDRAM & 1000GB SSD
Intel Core i5-12600HX (18MB Cache), 32GB DDR5-SDRAM, 1000GB SSD, 40.6 cm (16") WUXGA 1920 x 1200 IPS, Intel UHD Graphics, NVIDIA RTX A2000 (8GB GDDR6), WLAN, Webcam, Windows 11 Pro 64-bit
Lenovo ThinkPad P16 Gen 1. Product type: Mobile workstation, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-12600HX. Display diagonal: 40.6 cm (16"), HD type: WUXGA, Display resolution: 1920 x 1200 pixels. Internal memory: 32 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics, Discrete graphics card model: NVIDIA RTX A2000. Operating system installed: Windows 11 Pro. Product color: Gray



Design		Network	
Color name	Storm Grey	Bluetooth	✓
Product type *	Mobile workstation	Bluetooth version	5.1
Product color *	Gray	WWAN	Installed
Form factor *	Clamshell	Ports & interfaces	
Display		USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Display diagonal *	40.6 cm (16")	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Display resolution *	1920 x 1200 pixels	HDMI ports quantity *	1
Touchscreen *	✗	Thunderbolt 4 ports quantity	2
HD type	WUXGA	Intel® Thunderbolt 4	✓
Panel type	IPS	Combo headphone/mic port	✓
LED backlight	✓	USB Sleep-and-Charge	✓
Native aspect ratio	16:10	USB Sleep-and-Charge ports	1
Anti-glare screen	✓	Performance	
Display brightness	300 cd/m²	Motherboard chipset	Intel WM690
RGB color space	sRGB	Keyboard	
Color gamut	100%	Pointing device	ThinkPad UltraNav
Contrast ratio (typical)	1200:1	Numeric keypad *	✓
Processor		Keyboard backlit	✓
Processor manufacturer *	Intel	Spill-resistant keyboard	✓
Processor family *	Intel® Core™ i5	Keyboard layout	QWERTY
Processor generation	12th gen Intel® Core™ i5	Keyboard language	English
Processor model *	i5-12600HX	Software	
Processor cores	12	Operating system architecture	64-bit
Processor boost frequency	4.6 GHz	Operating system language	English
Processor cache	18 MB	Recovery operating system	Windows 10 Pro
Bus type	DMI4	Operating system installed *	Windows 11 Pro
Configurable TDP-down	45 W	Processor special features	
Memory		Intel Flex Memory Access	✓
Internal memory *	32 GB	Intel Trusted Execution Technology	✓
Internal memory type	DDR5-SDRAM		
Memory clock speed	4800 MHz		
Memory form factor	SO-DIMM		
Memory slots	4x SO-DIMM		

Memory		Processor special features	
Maximum internal memory *	128 GB	Intel VT-x with Extended Page Tables (EPT)	✓
ECC	✗	Intel Stable Image Platform Program (SIPP)	✓
Storage		Execute Disable Bit	✓
Total storage capacity *	1 TB	CPU configuration (max)	1
Storage media *	SSD	Embedded options available	✗
Total SSDs capacity	1 TB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Number of SSDs installed	1	Intel Virtualization Technology (VT-x)	✓
SSD capacity	1 TB	Battery	
SSD interface	NVMe, PCI Express 4.0	Battery technology	Lithium Polymer (LiPo)
NVMe	✓	Battery capacity *	94 Wh
SSD form factor	M.2	Power	
Optical drive type *	✗	AC adapter power	170 W
Card reader integrated	✓	AC adapter frequency	50/60 Hz
Compatible memory cards	SD	AC adapter input voltage	100 - 240 V
Graphics		USB Power Delivery	✓
Discrete GPU manufacturer	NVIDIA	Security	
Discrete graphics card model *	NVIDIA RTX A2000	Cable lock slot	✓
Discrete graphics card memory	8 GB	Cable lock slot type	Kensington
Discrete graphics memory type	GDDR6	Fingerprint reader	✓
On-board graphics card *	✓	Smart card reader	✗
Discrete graphics card *	✓	Trusted Platform Module (TPM)	✓
On-board graphics card model *	Intel® UHD Graphics	Trusted Platform Module (TPM) version	2.0
Audio		Password protection	✓
Audio chip	Realtek ALC3306	Password protection type	Power on, SSD, Supervisor
Audio system	Dolby Atmos	Operational conditions	
Number of built-in speakers	2	Operating temperature (T-T)	5 - 35 °C
Speaker power	2 W	Storage temperature (T-T)	5 - 43 °C
Built-in microphone	✓	Operating relative humidity (H-H)	8 - 95%
Number of microphones	2	Storage relative humidity (H-H)	5 - 95%
Camera		Maximum shipping altitude	3048 m
Front camera	✓	Certificates	
Front camera resolution	1920 x 1080 pixels	Certification	EPEAT Gold ENERGY STAR 8.0 TCO Certified 9.0 RoHS MIL-STD-810H TÜV ISV
Front camera HD type	Full HD	Weight & dimensions	
Infrared (IR) camera	✗	Width	364 mm
Privacy camera	✓	Depth	266 mm
Privacy type	Privacy shutter	Height	30.2 mm
Network		Weight *	2.95 kg
Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)		
Wi-Fi standards	Wi-Fi 6E (802.11ax)		
Mobile network connection *	✗		
Antenna type	2x2		
WLAN controller model	Intel Wi-Fi 6E AX211		
WLAN controller manufacturer	Intel		
Ethernet LAN	✗		



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