Lenovo ThinkPad P16v Gen 3 (Intel) Intel Core Ultra 7 265H Mobile workstation 40.6 cm (16") WUXGA 32 GB DDR5-SDRAM 1 TB SSD Wi-Fi 7 (802.11be) Windows 11 Pro Black



Brand : Lenovo **Product family:** ThinkPad **Product code:** 21RS0027US

Product name : ThinkPad P16v Gen 3 (Intel)





- Intel Core Ultra 7 265H, 16C (6P + 8E + 2LPE)/16T, Max Turbo up to 5.3GHz, 24MB Intel Smart Cache
- 16" WUXGA (1920x1200) IPS 500nits 100% sRGB 60Hz Low Power Eyesafe TÜV Low Blue Light
- 1x 32GB SODIMM DDR5-5600 Non-ECC
- 1TB SSD M.2 2280 PCIe 5.0x4 NVMe Opal 2.0
- NVIDIA RTX PRO 2000 Blackwell Generation 8GB GDDR7 Laptop GPU
- Windows 11 Pro

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Design	
Product type *	Mobile workstation
Product colour *	Black
Form factor *	Clamshell
Housing material	Acrylonitrile butadiene styrene (ABS), Polycarbonate (PC)
Display back cover material	Aluminium

Display	
Display diagonal *	40.6 cm (16")
Display resolution *	1920 x 1200 pixels
Touchscreen *	✗
HD type	WUXGA
Panel type	IPS
LED backlight	✓
Native aspect ratio	16:10
Anti-glare screen	✓
Display brightness	500 cd/m²
RGB colour space	sRGB
Colour gamut	100%
Maximum refresh rate	60 Hz

Processor	
Processor manufacturer *	Intel
Processor family *	Intel Core Ultra 7
Processor model *	265H
Processor cores	16
Processor threads	16

Memory	
Internal memory *	32 GB
Internal memory type	DDR5-SDRAM
Memory clock speed	5600 MHz
Memory form factor	SO-DIMM
Memory layout (slots x size)	1 x 32 GB
Memory slots	2x SO-DIMM
Maximum internal memory *	96 GB

Storage	
Total storage capacity *	1 TB

Network	
Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Wi-Fi standards	Wi-Fi 7 (802.11be)
Mobile network connection *	✗
Antenna type	2x2
WLAN controller manufacturer	Intel
Ethernet LAN	✓
Bluetooth	✓
Bluetooth version	5.4
Near Field Communication (NFC)	✗
WWAN	Not installed

Ports & interfaces	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Ethernet LAN (RJ-45) ports	1
HDMI ports quantity *	1
HDMI version	2.1
Thunderbolt 4 ports quantity	2
Intel® Thunderbolt 4	✓
Combo headphone/mic port	✓
USB Sleep-and-Charge	✓

Performance	
Motherboard chipset	Intel SoC

Keyboard	
Pointing device	ThinkPad UltraNav
Numeric keypad *	✓
Keyboard backlit	✓

Software	
Operating system installed *	Windows 11 Pro
Bundled software	Lenovo AI Now + Intel Connectivity Performance Suite + ThinkShield Pro (SentinelOne, Sepio, Cigent) 1-year

Battery	
Battery capacity *	90 Wh

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Storage	
Storage media *	SSD
Total SSDs capacity	1 TB
Number of SSDs installed	1
SSD capacity	1 TB
SSD interface	PCI Express 5.0
NVMe	✔
SSD form factor	M.2
Optical drive type *	✘
Card reader integrated	✔
Compatible memory cards	SD

Graphics	
Discrete graphics card memory	8 GB
Discrete graphics memory type	GDDR7
Discrete graphics card *	✔

Audio	
Audio chip	Realtek ALC3287
Number of built-in speakers	2
Speaker power	2 W
Built-in microphone	✔
Number of microphones	2

Camera	
Front camera	✔
Front camera resolution (numeric)	5 MP
Infrared (IR) camera	✔
Privacy camera	✔
Privacy type	Privacy shutter

Power	
AC adapter power	140 W
USB Type-C charging port *	✔
USB Type-C required charging power (min) *	140 W
USB Type-C required charging power (max) *	140 W
USB Power Delivery (USB PD)	✔

Security	
Cable lock slot	✔
Cable lock slot type	Kensington
Fingerprint reader	✔
Smart card reader	✘
Windows Hello	✔
Trusted Platform Module (TPM)	✔
Trusted Platform Module (TPM) version	2.0

Certificates	
Certification	ENERGY STAR,TCO,EPEAT Gold,RoHS

Weight & dimensions	
Width	361.5 mm
Depth	248.6 mm
Height (front)	1.28 cm
Height (rear)	1.96 cm
Weight *	2.1 kg

Packaging content	
AC adapter included *	✔



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