



Lenovo ThinkPad P16v Gen 3 (Intel) Intel Core Ultra 7 255H 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: 21RS0032US

Product name : ThinkPad P16v
Gen 3 (Intel)

- Intel Core Ultra 7 255H, 16C (6P + 8E + 2LPE)/16T, Max Turbo up to 5.1GHz, 24MB Intel Smart Cache
- 16" WUXGA (1920x1200) IPS 400nits 45% NTSC 60Hz 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 500 Blackwell Generation 6GB GDDR7 Laptop GPU
- Windows 11 Pro

Intel Core Ultra 7 255H, 16C (6P + 8E + 2LPE)/16T, Max Turbo up to 5.1GHz, 24MB Intel Smart Cache, 1x 32GB SODIMM DDR5-5600 Non-ECC, 1TB SSD M.2 2280 PCIe 5.0x4 NVMe Opal 2.0, 16" WUXGA (1920x1200) IPS 400nits 45% NTSC 60Hz TÜV Low Blue Light, NVIDIA RTX PRO 500 Blackwell Generation 6GB GDDR7 Laptop GPU, Intel Wi-Fi 7 BE201 802.11be 2x2 + BT5.4, Windows 11 Pro

Design		Network	
Product type *	Mobile workstation	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Product colour *	Black	Wi-Fi standards	Wi-Fi 7 (802.11be)
Form factor *	Clamshell	Mobile network connection *	✗
Housing material	Acrylonitrile butadiene styrene (ABS), Polycarbonate (PC)	Antenna type	2x2
Display back cover material	Aluminium	WLAN controller manufacturer	Intel
Display		Ethernet LAN	✓
Display diagonal *	40.6 cm (16")	Ethernet LAN data rates	100,1000 Mbit/s
Display resolution *	1920 x 1200 pixels	Bluetooth	✓
Touchscreen *	✗	Bluetooth version	5.4
HD type	WUXGA	Near Field Communication (NFC)	✗
Panel type	IPS	WWAN	Not installed
LED backlight	✓	Ports & interfaces	
Native aspect ratio	16:10	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Anti-glare screen	✓	Ethernet LAN (RJ-45) ports	1
Display brightness	400 cd/m²	HDMI ports quantity *	1
RGB colour space	NTSC	HDMI version	2.1
Colour gamut	45%	Thunderbolt 4 ports quantity	2
Maximum refresh rate	60 Hz	Intel® Thunderbolt 4	✓
Processor		Combo headphone/mic port	✓
Processor manufacturer *	Intel	USB Sleep-and-Charge	✓
Processor family *	Intel Core Ultra 7	Performance	
Processor model *	255H	Motherboard chipset	Intel SoC
Processor cores	16	Keyboard	
Processor threads	16	Pointing device	ThinkPad UltraNav
Memory		Numeric keypad *	✓
Internal memory *	32 GB	Keyboard backlit	✓
Internal memory type	DDR5-SDRAM	Software	
Memory clock speed	5600 MHz	Operating system installed *	Windows 11 Pro
Memory form factor	SO-DIMM	Bundled software	Lenovo AI Now + ThinkShield Pro (SentinelOne, Sepio, Cigent) 1-year
Memory layout (slots x size)	1 x 32 GB	Battery	
Memory slots	2x SO-DIMM	Battery capacity *	90 Wh
Maximum internal memory *	96 GB		
Storage			
Total storage capacity *	1 TB		
Storage media *	SSD		

Storage		Power	
Total SSDs capacity	1 TB	AC adapter power	140 W
Number of SSDs installed	1	USB Type-C charging port *	✓
SSD capacity	1 TB	USB Type-C required charging power (min) *	140 W
SSD interface	PCI Express 5.0	USB Type-C required charging power (max) *	140 W
NVMe	✓	USB Power Delivery (USB PD)	✓
SSD form factor	M.2	Security	
Optical drive type *	✗	Cable lock slot	✓
Card reader integrated	✓	Cable lock slot type	Kensington
Compatible memory cards	SD	Fingerprint reader	✓
Graphics		Smart card reader	✗
Discrete graphics card memory	6 GB	Windows Hello	✓
Discrete graphics memory type	GDDR7	Trusted Platform Module (TPM)	✓
Discrete graphics card *	✓	Trusted Platform Module (TPM) version	2.0
Audio		Certificates	
Audio chip	Realtek ALC3287	Certification	ENERGY STAR,TCO,EPEAT Gold,RoHS
Number of built-in speakers	2	Weight & dimensions	
Speaker power	2 W	Width	361.5 mm
Built-in microphone	✓	Depth	248.6 mm
Number of microphones	2	Height (front)	1.28 cm
Camera		Height (rear)	1.96 cm
Front camera	✓	Weight *	2.1 kg
Front camera resolution (numeric)	5 MP	Packaging content	
Infrared (IR) camera	✓	AC adapter included *	✓
Privacy camera	✓		
Privacy type	Privacy shutter		



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