Lenovo™ ThinkStation® P Series
and ThinkPad® P Series

MORE POWER
MORE PERFORMANCE
MORE PRODUCTIVITY

Lenovo™

ThinkStation®

ThinkPad®

Desktop Workstation Comparison
Single CPU Systems

ThinkStation P330Tiny — 1 Litre

ThinkStation P330 (TWR & SFF) — 18 Litre / 8.4 Litre

ThinkStation P520c — 25 Litre

ThinkStation P520 — 33 Litre

Why Lenovo

Lenovo focuses on power, performance, and industry-leading reliability in every ThinkStation and ThinkPad we design. By combining the absolute top-of-the-line components with groundbreaking designs, we are able to push our systems harder and have the raw power necessary to handle the most demanding workloads. Absolutely key for a top performing workstation is the ability to keep its components cool. This is where our patented Tri-Channel cooling in our towers and FLEX Performance cooling in our notebooks comes to fruition. These revolutionary designs allow CPUs and GPUs to run at peak performance until the job is done while simultaneously keeping the components cool, which makes for a long lasting and reliable machine.

	ThinkStation P330Tiny	ThinkStation P330	ThinkStation P520c	ThinkStation P520
	THE WORLD'S SMALLEST WORKSTATION	POWER OF A WORKSTATION, PRICE OF A DESKTOP	HIGH PERFORMANCE WITHOUT THE HIGH PRICE	THE MOST POWERFUL SINGLE CPU WORKSTATION
Processor	Up to 9th Gen Intel Core i9-9900T - 8 Core - 4.4GHz	Up to 9th Gen Intel Core i9-9900K - 8 Core - 5.0GHz Intel Xeon E - 6 Core - Up to 4.7GHz	Intel Xeon W Series - up to 18 cores - up to 4.5GHz	Intel Xeon W Series - up to 18 cores - up to 4.5GHz
Graphics Card	Intel Integrated HD NVIDIA Quadro P620, P1000	Intel Integrated HD NVIDIA Quadro P400, P620, P1000, P2000*, P2200, P4000*, P5000* NVIDIA Quadro RTX 4000* *Tower only	NVIDIA Quadro NVS 810 NVIDIA Quadro P400, P620, P1000, P2000, P2200, P4000, P5000 NVIDIA® Quadro RTX 4000	NVIDIA Quadro NVS 810 NVIDIA Quadro P400, P620, P1000, P2000, P2200, P4000, P5000, P6000 NVIDIA Quadro GP100, GV100 NVIDIA Quadro RTX 4000, 5000, 6000
Memory Support	Up to 64GB DDR4, 2666MHz 2 DIMM Slots (SoDIMM)	Up to 128GB DDR4, 2666MHz non-ECC 4 DIMM Slots (UDIMM) 4GB / 8GB / 16GB / 32GB non-ECC 8GB / 16GB ECC	Up to 256GB DDR4, 2933MHz ECC 4 DIMM Slots (RDIMM) 8GB / 16GB / 32GB	Up to 256GB DDR4, 2933MHz ECC 8 DIMM Slots (RDIMM) 8GB / 16GB / 32GB
Max Drives	3 Drives	7 Drives (TWR) / 5 Drives (SFF)	6 Drives	8 Drives
Max Storage[1]	Max M.2 = 2 (2TB) Max 2.5" = 1 (2TB)	SFF TWR Max M.2 = 3 (6TB) 3 (6TB) Max 3.5" = 1 (4TB) 3 (18TB) Max 2.5" = 2 (2TB) 4 (4TB)	Max M.2 = 2 (4TB)[2] Max 3.5" = 4 (24TB) Max 2.5" = 4 (8TB)	Max M.2 = 2 (4TB)[2] Max 3.5" = 6 (36TB) Max 2.5" = 6 (12TB)
Power Supply	135W / 88% Efficient (external)	210W / 85% Efficient - SFF 260W / 92% Efficient - SFF 250W / 92% Efficient - Tower 400W / 92% Efficient - Tower	500W / 92% Efficient	690W / 92% Efficient 900W / 92% Efficient

ThinkStation

Desktop Workstation Comparison Dual CPU Systems

ThinkStation P720 — 36 Litre

ThinkStation P920 — 55 Litre

ThinkStation P920 Rack

	PROFESSIONAL POWER WITH ULTIMATE VERSATILITY	**MOST ADVANCED DUAL-PROCESSOR WORKSTATION**	**SECURITY & EFFICIENCY WITHOUT LIMITS**
Processor	Dual Intel Xeon Scalable Processor - up to 24 cores per CPU - up to 4.4GHz per CPU	Dual Intel Xeon Scalable Processor - up to 28 cores per CPU - up to 4.4GHz per CPU	Dual Intel Xeon Scalable Processor - up to 28 cores per CPU - up to 4.4GHz per CPU
Graphics Card	NVIDIA Quadro NVS 810 NVIDIA Quadro P400, P620, P1000, P2000, P2200, P4000, P5000, P6000 NVIDIA Quadro RTX 4000, 5000, 6000, 8000 NVIDIA Quadro GP100, GV100 NVIDIA Tesla M60[3]	NVIDIA Quadro NVS 810 NVIDIA Quadro P400, P620, P1000, P2000, P2200, P4000, P5000, P6000 NVIDIA Quadro RTX 4000, 5000, 6000, 8000 NVIDIA Quadro GP100, GV100 NVIDIA Tesla M60[3]	NVIDIA Quadro RTX 4000, 5000, NVIDIA Tesla V100, T4
Memory Support	Up to 384GB DDR4, 2933MHz[4] ECC 12 DIMM Slots (RDIMM) 8GB / 16GB / 32GB / 64GB	Up to 2TB DDR4, 2933MHz[4] ECC 16 DIMM Slots (supports RDIMM and LRDIMM) 8GB / 16GB / 32GB / 64GB / 128GB	Up to 3TB DDR4, 2933MHz ECC 24 DIMM Slots (RDIMM/3DS RDIMM) 8GB / 16GB / 32GB / 64GB / 128GB
Max Drives	12 Drives	12 Drives	10 Drives
Max Storage	Max M.2 = 2 (4TB)[2] Max 3.5″ = 6 (60TB) Max 2.5″ = 10 (20TB)	Max M.2 = 2 (4TB)[2] Max 3.5″ = 6 (60TB) Max 2.5″ = 10 (20TB)	M.2 SATA = 2 (960GB) Boot Drives Max 3.5″ = 8 (112TB)
Power Supply	690W / 92% Efficient 900W / 92% Efficient	1400W / 92% Efficient	1+1 Redundent Hot Swap 1100W (230V/115V) Platinum Efficient 1600W (230V) Platinum Efficient

Lenovo Workstation Design Philosophy

Architects, product and software designers, financial traders, medical professionals, and engineers all need high performing, easy-to-use, dependable power to get the job done. Lenovo Workstations are designed from the ground up with customer-driven innovation, delivering the highest levels of performance, ease of use and industry-leading reliability.

With our ingenious ThinkStation modular design, making upgrades and customizations is effortless and supports a staggering number of possible configurations. The combination of our ground-breaking design with the latest Intel® Xeon® CPUs and NVIDIA® Quadro® GPUs delivers the absolute best possible user experience to turn ideas into reality.

1 Any combination of storage to equal Maximum Storage Drives
2 Additional M.2 or Add-in-Card PCIe SSD drives can be installed via rear PCIe adapters
3 Special Bid Only
4 Available on Intel Xeon Gold and Platinum CPUs only

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intel®

NVIDIA.

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Mobile Workstation Product Comparison

	ThinkPad P14s	ThinkPad P15s	ThinkPad P1 Gen 2	ThinkPad P53	ThinkPad P73
	LENOVO'S LIGHTEST MOBILE WORKSTATION	ON-THE-GO POWER AND PERFORMANCE	THE POWER YOU NEED, THE MACHINE YOU WANT	NEXT-LEVEL POWER AND PERFORMANCE	MAXIMIZE YOUR CREATIVE SPACE
Processor	10th Gen Intel Core i7 - Up to 6 Core - Up to 4.9GHz 10th Gen Intel Core i5 - 4 Core - Up to 4.4GHz	10th Gen Intel Core i7 - Up to 6 Core - Up to 4.9GHz 10th Gen Intel Core i5 - 4 Core - Up to 4.4GHz	Intel Xeon E - 6 Core - Up to 4.7GHz 9th Gen Intel Core i9 - 8 Core - Up to 4.8GHz	Intel Xeon E - 6 Core - Up to 4.7GHz 9th Gen Intel Core i9 - 8 Core - Up to 4.8GHz	Intel Xeon E - 6 Core - Up to 4.7GHz 9th Gen Intel Core i9 - 8 Core - Up to 4.8GHz
Display	14" Display 4K UHD (3840 x 2160) IPS - 500nit, HDR 400, Dolby Vision HDR FHD (1920 x 1080) IPS - 500nit, on-cell touch, 72% NTSC - Low Power 400nit, 72% NTSC - Touch 300nit, 45% NTSC - 250nit, 45% NTSC	15.6" Display 4K UHD (3840 x 2160) IPS - 600nit, HDR 400, Dolby Vision HDR FHD (1920 x 1080) IPS - Touch 300nit, 45% NTSC - 250nit, 45% NTSC	15.6" Display 4K (3840 x 2160) - OLED Touch, HDR500 True Black - LCD IPS 500nit, Dolby Vision HDR FHD (1920 x 1080) IPS - 300nit or 500nit, 72% NTSC	15.6" Display 4K (3840 x 2160) - OLED Touch, HDR500 True Black - LCD IPS 500nit, Dolby Vision HDR FHD (1920 x 1080) IPS - 300nit or 500nit, 72% NTSC	17.3" Display 4K UHD (3840 x 2160) IPS - 400nits, Dolby Vision HDR FHD (1920 x 1080) IPS - 300nits, 72% NTSC
Graphics Card	NVIDIA Quadro P520	NVIDIA Quadro P520	NVIDIA Quadro T1000 NVIDIA Quadro T2000	NVIDIA Quadro T1000 NVIDIA Quadro T2000 NVIDIA Quadro RTX 3000 NVIDIA Quadro RTX 4000 NVIDIA Quadro RTX 5000	NVIDIA Quadro P620 NVIDIA Quadro T2000 NVIDIA Quadro RTX 3000 NVIDIA Quadro RTX 4000 NVIDIA Quadro RTX 5000
Memory Support	Up to 48GB DDR4 1 Soldered Down / 1 SoDIMM Slot 8GB / 16GB / 32GB	Up to 48GB DDR4 1 Soldered Down / 1 SoDIMM Slot 8GB / 16GB / 32GB	Up to 64GB DDR4 2 SoDIMM Slots 8GB / 16GB / 32GB ECC & non-ECC	Up to 128GB DDR4 4 SoDIMM Slots 8GB / 16GB / 32GB ECC & non-ECC	Up to 128GB DDR4 4 SoDIMM Slots 8GB / 16GB/ 32GB ECC & non-ECC
Max Storage	Up to 2TB NVMe SSD	Up to 2TB NVMe SSD	Up to 4TB NVMe SSD	Up to 6TB NVMe SSD	Up to 6TB NVMe SSD
Battery Power Supply	50WHr 65W Type-C Rapid Charge	57WHr 65W Type-C Rapid Charge	80WHr 135W Slim Rapid Charge	90WHr 170W Slim 230W Slim Rapid Charge	99WHr 170W Slim 230W Slim Rapid Charge
Weight Thinness	Starting at: 3.24lbs (1.47kg) 17.9mm Thin	Starting at: 3.87lbs (1.76kg) 19.1mm Thin	Starting at: 3.74lbs (1.7kg) 18.4mm Thin	Starting at: 5.51lbs (2.5kg) 25mm Thin	Starting at: 7.5lbs (3.4kg) 28mm Thin

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