

Lenovo Workstations

ThinkStation P Series and ThinkPad P Series

**Push the limits of productivity,
creativity, and innovation**



Lenovo

Lenovo
ThinkStation

Lenovo
ThinkPad

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.



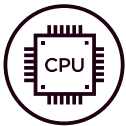
Lenovo

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® Core™ and Xeon® CPUs and NVIDIA® professional GPUs delivers the absolute best possible user experience to turn ideas into reality.



Key Features



Ultimate Power & Performance

Powered by the latest Intel Core and Xeon CPUs and NVIDIA professional GPUs for maximum power and performance.



Expanded Solutions Expertise

Expanded support of emerging technologies such as AI and AR/VR, as well as software tools to optimize performance.



ThinkShield Security

Built with an advanced, comprehensive suite of ThinkShield features for the ultimate in security.



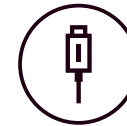
Tested & Certified

Tested and certified by independent software vendors (ISVs) to support the applications you need.



Sustainable Materials & Certifications

Manufactured and packaged responsibly to reduce carbon emissions without compromising on quality.



Enhanced Serviceability

Front panel LCD for error detection and tool-less modularity for easy upgrades and custom configurations

Lenovo Desktop Workstations

ThinkStation P360 Tiny

1 Liter



The World's Smallest
Workstation

ThinkStation P360 Ultra

3.9 Liter



Redefining the
Power of Small

ThinkStation P358

17 Liter



Power of a Workstation,
Price of a Desktop

ThinkStation P360 Tower

17 Liter



Power of a Workstation
Price of a Desktop

Processor	Up to 12th Gen Intel Core i9 › up to 16 cores › up to 5.2GHz	12th Gen Intel Core i3, i5, i7, i9 › up to 16 cores › up to 5.2GHz	AMD Ryzen™ 3 PRO, Ryzen™ 5 PRO, Ryzen™ 7 PRO, Ryzen™ 9 PRO › Up to 12 cores › Up to 4.7GHz	Up to 12th Gen Intel Core i9 › up to 16 cores › up to 5.2GHz
Graphics	Integrated: Intel UHD Discrete: NVIDIA T400, T600, T1000	Integrated: Intel UHD Discrete: NVIDIA T400, T1000 NVIDIA RTX A2000, A5000M	Discrete: NVIDIA RTX A2000 NVIDIA T1000	Integrated: Intel UHD Discrete: NVIDIA T400, T600, T1000 NVIDIA RTX A2000, A4000, A4500, A5000
Memory Support	Up to 64GB DDR5 4800MHz › 2 DIMM Slots (SoDIMM) › 8GB / 16GB / 32GB	Up to 128GB DDR5 4000MHz[^] › 4 DIMM Slots (SoDIMM) › 8GB / 16GB / 32GB non-ECC 16GB / 32GB ECC [^]	Up to 128GB DDR4 3200MHz › 4 DIMM Slots (UDIMM) › 8GB / 16GB / 32GB3 non-ECC or ECC	Up to 128GB DDR5 4400MHz › 4 DIMM Slots (UDIMM) › 8GB / 16GB / 32GB non-ECC 16GB / 32GB ECC
Max Drives	2 Drives	3 Drives	3 Drives	7 Drives
Max Storage¹	Max M.2 = 2 (4TB)	Max M.2 = 2 (8TB) Max 2.5" = 1 (1TB)	Max M.2 = 1 (2TB) Max 3.5" = 2 (8TB)	Max M.2 = 3 (6TB), (10TB) ² Max 3.5" = 4 (12TB) Max 2.5" = 4 (4TB)
Power Supply	170W (90% Efficient) 230W (90% Efficient)	170W (89% efficient) 230W (89% efficient) 300W (89% efficient)	300W (90% efficient) 500W (92% efficient) 750W (92% efficient)	500W (92% efficient) 750W (92% efficient)
Dimensions (WxDxH)	37 x 183 x 179mm 1.5 x 7.2 x 7"	87 x 223 x 202mm 3.4 x 8.7 x 7.9"	170 x 315 x 376mm 6.7 x 12.4 x 14.8"	170 x 315 x 376mm 6.7 x 12.4 x 14.8"

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

Lenovo Desktop Workstations

ThinkStation P620



33 Liter

Game Changing Power, and Speed

ThinkStation P5



33 Liter

The Future-proof Industry Workhorse

ThinkStation P7



39 Liter

Staggering, Single-Socket Power

ThinkStation PX



54 Liter

The Pinnacle of Lenovo Technology

Processor	AMD Ryzen™ Threadripper™ PRO › up to 64 cores › up to 4.5GHz	Intel® Xeon® W-2400 processor › up to 24 cores › up to 4.8GHz	Intel Xeon W-3400 processor › up to 56 cores › up to 4.8GHz	Dual 4 th Gen Intel Xeon Scalable processors › up to 120 cores › up to 4.1GHz	
Graphics	Discrete: NVIDIA RTX 4000, 5000, 6000, 8000, A2000, A4000, A4500, A5000, A6000, 6000 Ada NVIDIA P1000, T400, T600, T1000	Discrete: NVIDIA RTX A2000, A4500, A5500, A6000 NVIDIA T400, T1000	Discrete: NVIDIA RTX A2000, A4500, A5500, A6000, 6000 Ada NVIDIA T400, T1000	Discrete: NVIDIA RTX A2000, A4500, A5500, A6000, 6000 Ada NVIDIA T400, T1000	
Memory Support	Up to 1TB 3200MHz ECC › 8 DIMM Slots (RDIMM) › 16GB / 32GB / 64GB / 128GB	Up to 512GB DDR5, 4800MHz ² ECC › 8 DIMM Slots (RDIMM) › 16GB / 32GB / 64GB	Up to 1TB DDR5, 4800MHz ² ECC › 8 DIMM Slots (RDIMM) › 16GB / 32GB / 64GB / 128GB	Up to 2TB DDR5 4800MHz ² ECC › 16 DIMM Slots (RDIMM) › 16GB / 32GB / 64GB / 128G	
Max Storage	6 Drives	6 Drives	6 Drives7 Drives	7 Drives9 Drives	
Max Drives¹	Max M.2 = 2 (4TB) Max 3.5" = 4 (16TB)	Max M.2 = 3 (12TB) Max 3.5" = 3 (36TB)	Max M.2 = 5 (20TB) Max 3.5" = 1 (12TB)	Max M.2 = 3 (12TB) Max 3.5" = 4 (48TB)	7 (28TB) 2 (24TB)
Power Supply	1000W (92% Efficient)	750W (92% Efficient) 1000W (92% Efficient)	1000W (92% Efficient) 1400W (92% Efficient)	1850W (92% Efficient) Optional redundant power supplies³	
Dimensions (WxDxH)	165 x 460 x 440mm 6.5 x 18.1 x 17.3"	165 x 453 x 440mm 6.5 x 17.8 x 17.3"	175 x 508 x 435mm 6.9 x 20 x 17.1"	200 x 575 x 435mm 8.7 x 22.6 x 17.1"	

¹ Depending on drive configuration

² 4800GHz max speed; available depending on configuration

³ Configuration dependent

Lenovo Mobile Workstations

ThinkPad
P14s



ThinkPad
P14s i



ThinkPad
P16s



ThinkPad
P16s i



ThinkPad
T15p



Power that Moves

Lenovo's Lightest Mobile Workstation

Workstation Power on the go

Performance at the Speed of Life

Mainstream Performance

Processor	AMD Ryzen™ 5 PRO, Ryzen™ 7 PRO › up to 8 cores › up to 4.7GHz	12th Gen Intel Core i5, i7 › up to 14 cores › up to 4.8GHz	AMD Ryzen™ 5 PRO, Ryzen™ 7 PRO › up to 8 cores › up to 4.7GHz	12th Gen Intel Core i5, i7 › up to 14 cores › up to 4.8GHz	12th Gen Intel Core i7 H-Series › up to 14 cores › up to 4.8GHz
Graphics	Processor Integrated: AMD Radeon™ Graphics + optimized PRO Driver set	Processor Integrated: Intel Iris Xe¹ Discrete: NVIDIA T550	Processor Integrated: AMD Radeon™ Graphics + optimized PRO Driver set	Processor Integrated: Intel Iris Xe¹ Discrete: NVIDIA T550	Discrete: NVIDIA GeForce RTX 3050
Memory Support	Up to 32GB LPDDR5 6400MHz › 2 Soldered Down › 8GB / 16GB (SDRAM)	Up to 48GB DDR4 3200MHz › 1 Soldered Down / 1 SoDIMM Slot › 8GB / 16GB (SDRAM/SoDIMM), 32GB (SoDIMM only)	Up to 32GB LPDDR5 6400MHz › 2 Soldered Down › 8GB / 16GB (SDRAM/SoDIMM)	Up to 48GB DDR4 3200MHz › 1 Soldered Down / 1 SoDIMM Slot › 8GB / 16GB (SDRAM/SoDIMM), 32GB (SoDIMM only)	Up to 64GB DDR5 4800MHz › 2 SoDIMM Slots › 8GB / 16GB / 32GB
Max Storage	Up to 2TB NVMe PCIe Gen4 SSD	Up to 2TB PCIe Gen4 NVMe SSD	Up to 2TB PCIe Gen4 NVMe SSD	Up to 2TB PCIe Gen4 NVMe SSD	Up to 4TB PCIe Gen4 NVMe Performance SSD
Power Supply	65W AC Adapter Type-C › Rapid Charge	65W or 100W AC Adapter Type-C › Rapid Charge	65W, 100W AC Adaptor Type-C › Rapid Charge	65W, 100W, 135W AC Adapter Type-C › Rapid Charge	135W Slim › Rapid Charge
Battery	39.3WHr or 52.5WHr	39.3WHr or 52.5WHr	52.5WHr or 86WHr	52.5WHr or 86WHr	68WHr
Weight Thickness	Starting at: 3.08lbs (1.40kg) 0.7" (17.9mm)	Starting at: 3.05lbs (1.38kg) 0.7" (17.9mm)	Starting at: 3.99lbs (1.81kg) 0.8" (20.5mm)	Starting at: 3.97lbs (1.80kg) 0.8" (20.5mm)	Starting at: 4.91lbs (2.23kg) 0.8-0.9" (21.17-24.2mm)
Display	14" Display WQUXGA (3840 x 2400) IPS AOFT › Touch, 500nit, HDR 400, Dolby Vision, 100% DCI-P3, X-Rite FCC, LBL, TÜV WUXGA (1920 x 1200) IPS › Touch, 300nit, LCLW, 45% CG › 300nit, 45% CG › 400nit, Low Power, 100% sRGB	14" Display WQUXGA (3840 x 2400) IPS AOFT › Touch, 500nit, HDR 400, Dolby Vision, 100% DCI-P3, X-Rite FCC, LBL, TÜV 2.2K (2240 x 1400) IPS › 300nit, 100% sRGB, LBL, TÜV WUXGA (1920 x 1200) IPS › Touch, 500nit, Privacy Guard, 100% sRGB › Touch, 300nit, LCLW, 45% CG › 400nit, Low Power, 100% sRGB › 300nit, 45% CG	16" Display WQXGA (2560x1600) IPS › 400nit, Dolby Vision, 100% sRGB, X-Rite FCC, AG, LBL, TÜV WUXGA (1920 x 1200) IPS › Touch, 500nit, LCLW, Privacy Guard, 100% sRGB, AG, TÜV › 400nit, Low Power, AG, LBL, TÜV › Touch, 300nit, Narrow, LCLW, 45%CG, AG › 300nit, Narrow, 45%CG, AG	16" Display WQXGA (2560x1600) IPS › 400nit, AG, Dolby Vision, 100% sRGB, X-Rite FCC, LBL, TÜV WUXGA (1920 x 1200) IPS › Touch 500nit, AG, LCLW, Privacy Guard, 100% sRGB, TÜV › 400nit, AG, Low Power, LBL, TÜV › Touch, 300nit, AG, Narrow, LCLW, 5%CG › 300nit, AG, Narrow, 45%CG	15.6" Display UHD (3840 x 2160) - IPS, 600nit, AG, 100% Adobe, HDR400, Dolby Vision HDR, X-Rite FCC FHD (1920 x 1080) - IPS, Touch, 300nit, AG, 45% sRGB - IPS, 300nit, AG, 100% sRGB - IPS, 300nit, AG, 45% NTSC

Lenovo Mobile Workstations

ThinkPad P15v



ThinkPad P15v i



ThinkPad P1



ThinkPad P16



Built for Creators Who Demand More Value

Accessible Power

Premium Power, True Mobility

Performance Unpacked

	Processor	Graphics	Memory Support	Max Storage	Power Supply	Battery	Weight Thickness	Display
	AMD Ryzen™ 5 PRO, Ryzen™ 7 PRO › up to 8 cores › up to 4.7GHz	Discrete: NVIDIA T600, T1200, RTX A2000	Up to 64GB DDR5 4800MHz › 2 SoDIMM Slots › 8GB / 16GB / 32GB	Up to 4TB PCIe Gen4 NVMe Performance SSD	135W Slim › Rapid Charge	68WHr	Starting at: 4.98lbs (2.26kg) 0.83-0.95" (21-24mm)	15.6" Display UHD (3840 x 2160) › IPS, 600nit, 100% Adobe®, HDR400, Dolby Vision HDR, X-Rite FCC, AG FHD (1920 x 1080) › IPS, 300nit, AG, 100% sRGB › IPS, 300nit, AG, 45% NTSC
	12th Gen Intel Core i5, i7, i9 H-Series › up to 14 cores › up to 5.0GHz	Processor Integrated: Intel Iris Xe¹ Discrete: NVIDIA T600, T1200, RTX A2000	Up to 64GB DDR5 4800MHz › 2 SoDIMM Slots › 8GB / 16GB / 32GB	Up to 4TB PCIe Gen4 NVMe Performance SSD	135W Slim › Rapid Charge	68WHr	Starting at: 4.62lbs (2.10kg) 0.83-0.95" (21-24mm)	15.6" Display UHD (3840 x 2160) - IPS, 600nit, AG, 100% Adobe, HDR400, Dolby Vision HDR, X-Rite FCC FHD (1920 x 1080) - IPS, Touch, 300nit, AG, 45% sRGB - IPS, 300nit, AG, 100% sRGB - IPS, 300nit, AG, 45% NTSC
	12th Gen Intel Core i7, i9 H-Series › up to 14 cores › up to 5.0GHz	Processor Integrated: Intel Iris Xe¹ Discrete: NNVIDIA RTX A1000, A2000, A3000, A4500, A5500 NVIDIA GeForce RTX 3070 Ti, 3080 Ti	Up to 64GB DDR5 4800MHz › 2 SoDIMM Slots › 8GB / 16GB / 32GB	Up to 8TB M.2 PCIe Gen4 NVMe Performance SSD	135W Slim, 170W Slim, 230W Slim › Rapid Charge	90WHr	Starting at: 3.99lbs (1.81kg) 0.7" (18mm)	16" Display WQUXGA (UHD+) (3840x2400) - IPS Touch, 600nit, AR-AS, 100% Adobe, LBL, HDR400, Dolby Vision HDR, X-Rite FCC - IPS, 600nit, AG, 100% Adobe, LBL, HDR400, Dolby Vision HDR, X-Rite FCC WQXGA (QHD+) (2560x1600) - IPS, 400nit, AG, 100% sRGB, LBL, 165Hz, X-Rite FCC WUXGA (FHD+) (1920x1200) - IPS, 300nit, AG, 100% sRGB, LBL, X-Rite FCC
	12th Gen Intel Core i5, i7, i9 HX-Series › up to 16 cores › up to 5.0GHz	Processor Integrated: Intel UHD Discrete: NVIDIA RTX A1000, A2000, A3000, A4500, A5500	Up to 128GB DDR5 4800MHz² › 4 SoDIMM Slots › 8GB non-ECC, 16GB / 32GB ECC & non-ECC	Up to 8TB M.2 PCIe Gen4 NVMe Performance SSD	170W Slim, 230W Slim › Rapid Charge	94WHr	Starting at: 6.5lbs (2.95kg) 1.2" (30.23mm)	16" Display WQUXGA (UHD+) (3840x2400) - OLED Touch, 400nit, AR-AS, 100% DCI-P3, LBL, HDR500 True Black, Dolby Vision HDR, X-Rite FCC - IPS, 600nit, AG, 100% Adobe, LBL, HDR400, Dolby Vision HDR, X-Rite FCC WQXGA (QHD+) (2560 x 1600) - IPS, 400nit, AG, 100% sRGB, LBL, X-Rite FCC WUXGA (FHD+) (1920 x 1200) - IPS, 300nit, AG, 100% sRGB, LBL, X-Rite FCC

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