

# Lenovo ThinkCentre

The Lenovo ThinkCentre M90t Gen 4 tower desktop is engineered for awe-inspiring productivity with up to Intel vPro® Enterprise with 13<sup>th</sup> Generation Intel® Core™ i9 processors for improved performance, enhanced connectivity, AI acceleration, and unique security technology. For administrative tasks to data-intensive projects, this powerful 17L desktop delivers versatile connectivity with enhanced I/O ports and expansion slots, as well as innovative device collaboration using the new Smart Cable.

Intel® Wi-Fi 6E<sup>1</sup> means faster data transfer and reduced videoconferencing latency perfect for the hybrid workforce, while ThinkShield end-to-end protection and the chip-level security of the Intel vPro® platform provide an even safer, world-class business PC solution. The Smart Power On feature ensures an enhanced user experience, and the green certifications and use of recycled materials create an eco-friendly device.

## Lenovo ThinkCentre M90t



<sup>1</sup>16GHz Wi-Fi 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi 6E, and the regional regulatory certifications and spectrum allocation.



Smarter  
technology  
for all

Lenovo

# Lenovo ThinkCentre M90t



## PREMIUM PERFORMANCE

Engineered for high-velocity productivity across industries, this Lenovo ThinkCentre boasts up to Intel vPro® Enterprise with 13<sup>th</sup> Generation Intel® Core™ i9 processors. With up to four DDR5 UDIMM (max. 4400MHz) and up to 128GB memory support packed in this 17L chassis, complex data tasks and graphics projects can be tackled with confidence. Plus, with expanded I/O ports and the ability to connect up to four displays, any workspace can be customized for the multitasking at hand.



## SECURE PROTECTION

Lenovo ThinkShield plus Intel vPro® Enterprise provides a combination of hardware, software, and platform-level security for next-gen data and business protection. The dTPM 2.0 chip encrypts passwords and data, while BIOS-based Smart USB protection and individual USB port disablement prevent unauthorized access via peripheral. And with the Kensington™ Lock slots, chassis e-locks, and more options to provide physical security, this powerful tower delivers end-to-end protection for work from anywhere.



## EXPANDABLE VERSATILITY

This Lenovo ThinkCentre offers multiple I/O ports and flexible expansion slots to customize any workspace, including the support of up to four additional displays. Get innovative device collaboration with the Smart Cable for easy USB-A and USB-C connection to support all your peripherals, even another laptop or tablet. Optional solid-state drive (SSD) storage offers speed and responsiveness, while 3D NAND technology gives your SSD more reliable performance and improved power consumption.



## ENVIRONMENTAL SUSTAINABILITY

This Lenovo ThinkCentre meets the highest environmental standards, including TCO 9.0<sup>1</sup> and EPEAT™ Gold. Lenovo is committed to creating eco-friendly products using recyclable, toxic-free components in every device. Plus, by 2025/26, 90% of PC products' packaging will be made from recycled materials.



## purposeful design

This Lenovo ThinkCentre tower desktop provides intentional efficiency features like Smart Power On that allows users to turn on the desktop using a simple keyboard shortcut, plus front-facing I/O ports for quick and easy connections.

## trusted quality

Because it meets MIL-STD 810H guidelines with 12 methods and 20 procedures, this device reflects Lenovo's dedication product quality, durability, and reliability. Tested against real-world challenges like volt surges, vibration, and extreme temperatures, this desktop is ready for anything.

## relentless innovation

We are inspired by our customers and what they want from our devices, and it shows in gen-to-gen improvements like security features, easy-to-access I/O ports—and more of them—enhanced memory, and more.

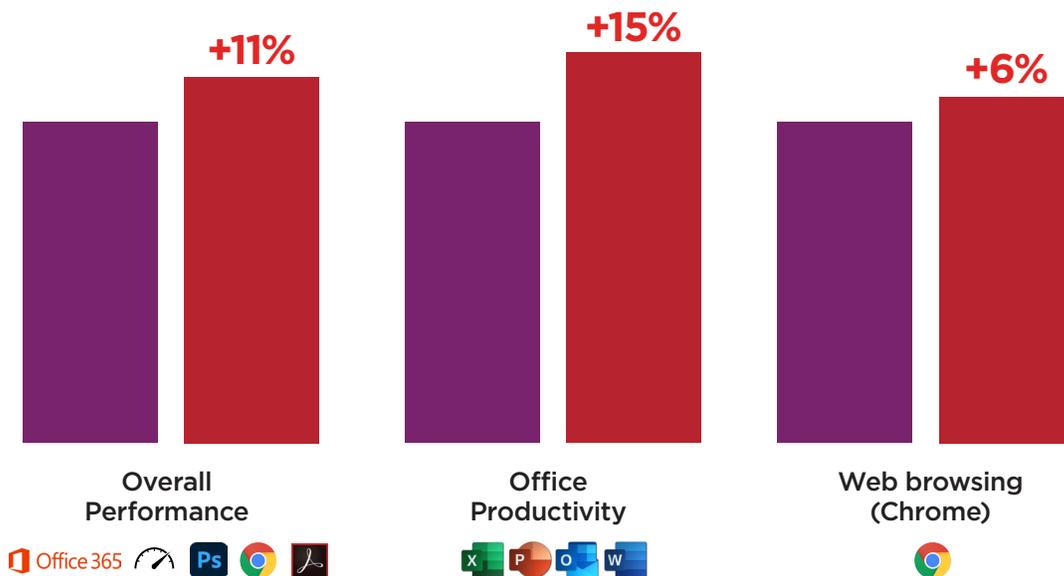
<sup>1</sup>Varies by configuration.

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## Generation-on-generation improvement

12 Gen Intel Core i9-12900 VS 13 Gen Intel Core i9-13900



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## Services

Lenovo offers a comprehensive portfolio of end-to-end services to support and protect your investment—so you can focus on the job at hand, not IT.



### PREMIER SUPPORT

As IT budgets contract, you need to reduce complexity, decrease operational costs, and find ways to increase efficiency from your in-house IT support teams. Lenovo™ Premier Support manages routine support tasks, freeing IT focus on strategic efforts that move the organization forward. Boost end-user productivity and limit downtime with direct access to elite Lenovo engineers who provide unscripted, advanced hardware and software support.



### CO<sub>2</sub> OFFSET SERVICES

As the first in the industry, Lenovo offers this certification service to customers who wish to purchase their PC products CO<sub>2</sub>-compensated over the device's lifecycle. Included in the hardware transaction, CO<sub>2</sub> compensation is based on realistic emission by product, covering production, shipment, and typical usage cycle (5 years). This service proactively supports reduction of CO<sub>2</sub> emitted in the atmosphere and compensates for environmental impact of business operations.



### BULK PACKAGING SERVICE

Bulk Packaging is an environmental packaging solution designed for multiple product types. Each package contains multiples of one like-type product to minimize the amount of material used without jeopardizing the integrity of packaging necessary to protect product in shipping process.

## Accessories

### Lenovo Performance FHD Webcam

A USB Video Class (UVC) compliant video camera designed for teleconferencing applications on desktop or laptop. It's a reliable digital video device to transfer video data with HD quality through a high-speed USB interface in Full HD mode delivers clear images for all your videoconferencing needs.



PN: 4XC1D66055

### Kensington® MicroSaver™ 2.0 Twin Cable Lock

Secure two devices with the same cable lock. Engineered to be the smallest, strongest lock for desktop, laptop, monitors, and other devices, the MicroSaver 2.0 represents the next generation of cable security.



PN: 4XEON80915

### Lenovo Essential Wireless Keyboard and Mouse

This combo allows you to connect both keyboard and mouse using only one nano USB wireless receiver. The slim, wireless keyboard has a responsive key feeling, and includes an adjustable tilt leg, numeric keypad, and spill resistant design. The fullsize wireless mouse accommodates left- and right- handed users.



PN: 4X30M394xx

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## performance

### PROCESSOR

Up to Intel vPro® Enterprise with 13th Generation Intel® Core™ i9 processors

### OPERATING SYSTEM

Windows 11 (Pro & Home)  
Windows 11 Downgrade (Pro)  
Windows 10 IoT

### GRAPHICS

Intel® UHD Graphics 770 / 730 / 710  
AMD Radeon RX6400  
NVIDIA GeForce RTX3050  
NVIDIA GeForce RTX4060

### MEMORY

4 x DDR5 UDIMM (up to 4400MHz/128GB)

### PSU

500W 92%, 300W 92%, 260W 90%

## connectivity

### FRONT PORTS

1x USB-C 3.2 Gen 2  
2x USB-A 3.2 Gen 2  
2x USB-A 3.2 Gen 1  
Optional Card Reader (3 in 1)  
1x Audio Combo + 1x Mic

### REAR PORTS

4x USB-A 3.2 Gen 1  
1x Flex IO (DP/HDMI/Type-C/VGA)  
1x DP + 1x DP + 1x HDMI 2.1 TMDS  
2x Optional Serial  
1x LAN (1G)  
1x Audio-out  
2x Optional PS2  
1x Optional Parallel  
2x Optional USB 2.0

### EXPANSION SLOT

1x PCIe x16 Gen 4  
1x PCIe x16 (x4 link) Gen 4  
1x PCIe x1

### M.2 SLOT

2x M.2 SSD Gen 4  
1x M.2 Wi-Fi

### INTERNAL BAY

2x 3.5" HDD  
1x 2.5" HDD

### EXTERNAL BAY

1x Slim ODD

### WI-FI

Intel® Wi-Fi 6E<sup>1</sup> 2x2 AX  
Intel® Wi-Fi 6 2x2 AX

## security

Intel vPro® Enterprise  
dTPM 2.0 chip  
EC Self-healing (level 2)  
BIOS-based Smart USB Protection  
Padlock Loop  
Kensington™ Lock  
Chassis E-Lock (optional)  
Smart Cable Clip (optional)

## design

### EOU

Yes

### DIMENSIONS

376 x 170 x 298 mm / 14.8 x 6.7 x 11.7 in

### WEIGHT

6.5 kg / 14.33 lbs

## manageability

Supports up to 4 monitors  
4-port COM Add-on Card  
Smart Power On

## green certifications

Energy Star® 8.0  
EPEAT™ Gold  
RoHS  
ERP LOT 3  
TÜV Ultra Low Noise  
TCO 9.0<sup>2</sup>

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<sup>2</sup> Various by configuration.

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