

# MAINSTREAM COMPUTING FOR A VARIETY OF BUSINESS USES




The ThinkCentre M9 Series offers more expansion and performance capabilities than any other desktop in our portfolio; perfect for users who need higher computing performance than average.

# ThinkCentre M90t

Smarter technology for all

Lenovo

Our most powerful and expandable desktop supports up to 5 onboard storage drives, Intel Core i9 processors with up to 10 CPU cores, powerful graphics, numerous security features and the latest vPro remote management technologies. Security features include a self-healing BIOS, USB protection features to prevent data transfer, and an optional chassis eLock to secure components from the inside. Modern Standby enables the PC to receive emails and data updates even when asleep.




## REASONS TO BUY

With the optional NVIDIA GTX 1660 or RTX 2060 graphics card - the latter with NVIDIA Studio Driver support - this desktop is AR/VR ready and can support rich 3D graphics playback. The new intelligent cooling system enables for quieter running or enhanced performance, depending on the mode selected.

With 3x PCIe slots and space for 4 brackets, expansion cards and additional ports can easily be added. 128GB memory capacity and support for up to 4 displays (depending on graphics card installed) support heavy multitasking.

Configure with responsive PCIe SSD storage, NVIDIA Geforce RTX 2060 graphics and Intel Core™ i9 processor to support seamless multitasking of graphic design workloads.

# ThinkCentre M90t

## KEY SPECIFICATIONS

| | |
|---|---|
| **Processor** | up to 10th Gen Intel Core i9 processor |
| **Operating System** | Powered by Windows 10 Pro |
| **Graphics** | Intel HD Graphics 630/610 in processor, optional AMD Radeon 520, 2GB or NVIDIA Geforce GTX 1660, 6GB or NVIDIA Geforce RTX 2060, 6GB |
| **Memory** | up to 128GB DDR4-2933 |
| **Storage** | Internal storage: up to 2x 3.5"" 2TB SATA HDD + 1x 2.5"" 1TB SATA HDD<br>M.2 SSD: up to 2x 1TB M.2 PCIe NVMe<br>optional Intel Optane memory |
| **Optical** | optional DVD-ROM or DVD burner |
| **Additional Internal Bays** | Optional 3.5" Bay |
| **Expansion Slots** | PCIe x16, half-length, full height<br>PCIe x1, half-length, full height<br>PCIe x4, half-length, full height<br>Bracket for optional port extension |
| **Power Supply** | *One of the following*<br>180W 85% \| 300W 85% \| 300W 90% \| 500W 92% |
| **Dimensions** | Width: 170mm (6.7"") Depth: 298mm (11.7"") Height: 376mm (14.8"") |
| **Weight** | starting at 6.5kg (14.33lb) |

## GREEN CERTIFICATIONS

EPEAT Silver. Energy Star 8.0

## OTHER CERTIFICATIONS

TUV Ultra Low Noise, TCO Certified

## CONNECTIVITY

| | |
|---|---|
| **Front I/O** | 2x USB 3.2 Gen 2, 2x USB 3.2 Gen 1, 1x USB-C 3.2 Gen 1 (15W charging), microphone (3.5mm), audio combo jack (3.5mm) |
| **Rear I/O** | 4x USB 3.2 Gen 1, 1x serial (9-pin), ethernet (RJ-45), 2x DisplayPort, line-out (3.5mm) |
| **Optional Rear Ports** | *One of the following*<br>1x DP \| 1x HDMI \| 1x Type-C \| 1x parallel \| 1x parallel + 1x HDMI \| 1x parallel + 1x serial \| 1x parallel + 1x serial + 1x DP \| 1x parallel + 1x serial + 1x HDMI \| 1x serial \| 1x serial + 1x DP \| 1x serial + 1x HDMI \| 1x serial + 1x Type-C \| 1x serial + 2x USB 2.0 + 1x HDMI \| 2x PS/2 + 2x USB 2.0 \| 2x USB 2.0 \| 2x USB 2.0 + 1x DP \| 2x USB 2.0 + 1x Type-C \| 2x USB 2.0 + 1x serial + 1x parallel + 2x PS/2 \| 2x USB 2.0 + 2x USB 3.2 Gen1 + 1x Type-C \| 2x USB 2.0 + 2x USB-C 3.2 Gen2 + 1x Type-C \| 2x USB 3.2 Gen1 + 1x Type-C \| 2x USB-C 3.2 Gen2 + 1x HDMI \| 2x USB-C 3.2 Gen2 + 1x Type-C \| 5x serial + 1x DP |
| **WLAN + Bluetooth** | *One of the following*<br>Intel 9560 11ac, 2x2 + BT5.0 \| Intel AX201 11ax, 2x2 + BT5.1, vPro \| RTL8822CE 11ac, 2x2 + BT5.0 |
| **Ethernet** | *One of the following*<br>BN8E88 + Integrated 100/1000M \| I350-T4 + Integrated 100/1000M \| Integrated 100/1000M |

## SECURITY & PRIVACY

Chassis Intrusion Switch
E-Lock
Kensington lock slot
Padlock slot
Optional Smart Cable Clip
Smart USB protection
Individual USB port disablement
Hardware TPM 2.0

## MANAGEABILITY

Intel vPro, DASH (optional)

# Recommended for this device



## ThinkVision T32h-20

31.5" QHD (2560x1440) near-borderless monitor with 99% sRGB colour gamut

1x HDMI, 1x DisplayPort, 1x USB-C (data, video & data), 4x USB3.1, audio out

Lift, Tilt, Pivot, Swivel stand for viewing comfort. Integrated smartphone holder in base.



## ThinkVision T34w-20

34" WQHD display with 1500R curvature, ultra-wide 21:9 aspect ratio, 3000:1 contrast ratio, 99% sRGB colour gamut

1x HDMI, 1x DisplayPort. Integrated USB hub (1x USB-C, 4x USB3.1). Audio out.

Lift, Tilt, Pivot, Swivel stand for viewing comfort. Integrated smartphone holder in base.



## Keep Your Drive

Keep your drive(s) before returning a faulty device

Dispose of business data on your terms

Removes the need to track movement of sensitive data

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