

# ThinkCentre M90a

This premium 23.8" all-in-one includes advanced features like vPro manageability, modern standby, Dolby Atmos audio and voice assistant support. At the press of a button, the optional PrivacyGuard screen renders the display unreadable unless you are sat directly in front of it. With the optional IR camera, the device will automatically blur the screen if the user is not looking at it and can also alert them to 'shoulder surfers', improving information protection.



Hides connected cables inside a rear panel, with wires discreetly routed from the bottom of the stand. A smartphone holder is built into the base, which can be charged from side-mounted USB ports. Configure for the needs of different users with HDD and M.2 SSD storage, optional graphics card and optical drive.

Security features include individual USB port disablement, and a self-healing BIOS which can restore itself in the event of a BIOS update failure or if maliciously attacked.

Optimized to reduce power consumption with Energy Star 8.0 and EPEAT Silver energy efficiency certifications.

## Mainstream computing for a variety of business uses

ThinkCentre M Series All-in-One devices offer powerful configurations, space-saving design and enterprise security and manageability features.

## Lenovo services

Lenovo delivers tailored sustainability services, devices, and infrastructure solutions from our broad portfolio, working closely with you to support your target outcomes across the IT lifecycle..



### Premier Support

Talk directly with advanced technical support agents  
 Support for software & hardware  
 Next business day onsite repairs

## Accessories

### Lenovo Adjustable Height Arm

Reduce neck & back pain by positioning a VESA-compatible monitor, ThinkCentre M AIO or Lenovo V Series AIO, to the most comfortable height and angle

Extends display out to a range of 64cm (25"), with height adjustment up to 33cm (13")

Can be fitted to desk via a clamp without drilling holes



PN: 4XF0H70603

### ThinkPad Bluetooth Silent Mouse

Left/Right hand, easy-to-carry low profile mouse

Switch between 2 devices with dual-host

Bluetooth 5.0 connectivity

2-way scrolling with on-the-fly DPI adjustment (2400, 1600, 800)



PN: With Battery : 4Y50X88822 Without Battery : 4Y50X88823

# ThinkCentre M90a

## Key Specifications

### Processor

up to 10th Gen Intel Core i9 processor

### Operating System

Powered by Windows 10 Pro

### Display

23.8" PrivacyGuard screen, Full HD (1920x1080), IPS, 1000:1 contrast ratio, 350 nits  
23.8" Full HD (1920x1080) screen, WVA, 1000:1 contrast ratio, 250 nits (touch)

### Touchscreen

optional touchscreen on regular Full HD display

### Graphics

Intel UHD Graphics 630/610 in processor, optional AMD Radeon 625, 2GB

### Memory

up to 64GB DDR4-2933

### Storage

Internal storage: up to 1x 2.5" 2TB SATA HDD  
M.2 SSD: up to 1x 1TB M.2 PCIe NVMe  
optional Intel Optane memory

### Optical

optional DVD-ROM or DVD burner

### Camera

*One of the following*  
FHD 1080p  
FHD 1080p + IR Hybrid

### Audio

2x 3W stereo speakers, Dolby Atmos Audio  
Dual array mics

### Power Supply

*One of the following*  
150W 89% Adapter  
170W 89% Adapter

### Dimensions

From Width: 541mm (21.3") Depth: 200mm (7.9") Height: 414.2 to 494.2mm (16.3" to 19.5") (with full function monitor stand)

### Weight

starting from 7.51kg (16.5lb)

## Green Certifications

EPEAT Silver. Energy Star 8.0. GREENGUARD.

## Other Certifications

MIL-STD-810G military testing. TCO AIO Computer. TUV Low Blue Light. TUV Ultra Low Noise.

## Connectivity

### Side/Front I/O

2x USB 3.2 Gen 2, 1x USB-C 3.2 Gen 1 (5V/3A charging), 1x optional card reader, 1x headphone / mic combo jack (3.5mm)

### Rear I/O

4x USB 3.2 Gen1 (1x supports Smart Power On), 1x ethernet (RJ-45), 1x DisplayPort in/out combo port, 1x optional serial (9-pin)

### Optional Rear Ports

1x Serial

### WLAN + Bluetooth

*One of the following*  
Intel 9560, 11ac 2x2 + BT5.0  
Intel Wi-Fi 6 AX201, 11ax 2x2 + BT5.1, vPro  
Realtek RTL8822CE, 11ac 2x2 + BT5.0

### Ethernet

Integrated 100/1000M

## Security & Privacy

Chassis Intrusion Switch  
IR Camera with Windows Hello  
ThinkPad PrivacyAlert  
ThinkPad PrivacyGuard screen  
ThinkShutter camera privacy cover  
Hardware TPM 2.0  
Kensington lock slot  
PrivacyAlert alarm (requires IR camera)  
PrivacyGuard screen (optional)  
Smart USB protection  
Individual USB port disablement

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