

## PERFORMANCE

### Processor

Intel® Core™ i7-11700 (8C / 16T, 2.5 / 4.9GHz, 16MB)

### Graphics<sup>(12)</sup>

AMD Radeon™ 630 2GB GDDR5

### Chipset

Intel Q570 Chipset

### Memory

1x 16GB SO-DIMM DDR4-3200

### Memory Slots

Two DDR4 SO-DIMM slots, dual-channel capable

### Max Memory<sup>(13)</sup>

Up to 64GB DDR4-3200

### Storage

512GB SSD M.2 2280 PCIe® 3.0x4 NVMe® Opal

### Storage Support<sup>(14)(15)</sup>

Up to three drives, 2x 2.5" HDD + 1x M.2 SSD

- 2.5" HDD up to 2TB each
- M.2 SSD up to 1TB

Technical support up to 2 HDDs + 1 SSD, but Lenovo® only offers the models with up to 2 HDDs or 1 SSD + 1 HDD

### Card Reader

3-in-1 Card Reader

### Optical

DVD±RW

### Audio Chip

High Definition (HD) Audio, Realtek® ALC233 codec

### Speakers

3Wx2

### Camera

5.0MP + IR Hybrid

### Microphone

2x, Array

### Power Supply

170W 89% Adapter

## DESIGN

### Display<sup>(16)</sup>

23.8" FHD (1920x1080) IPS 250nits Anti-glare, 72% NTSC

### Keyboard

USB Calliope Keyboard, Black, Swiss

### Mouse

USB Calliope Mouse, Black

### Expansion Slots

Two M.2 slots (one for WLAN, one for SSD)

### Case Color

Black

### Stand

Full Function Monitor Stand

### Mounting

VESA mount

### Form Factor

AIO (23.8 inches)

### Dimensions (WxDxH)<sup>(17)</sup>

541 x 200 x 414.2-494.2 mm (21.3 x 7.9 x 16.3-19.5 inches)

### Weight<sup>(18)</sup>

Around 7.84 kg (17.3 lbs)

## CONNECTIVITY

### Ethernet

Integrated 100/1000M

### WLAN + Bluetooth<sup>(19)</sup>

Intel 9560, 11ac 2x2 + BT5.1, vPro®

### Rear Ports<sup>(20)</sup>

- 1x DisplayPort™
- 4x USB 3.2 Gen 1
- 1x Ethernet (RJ-45)

### Right Ports

- 2x USB 3.2 Gen 2
- 1x USB-C® 3.2 Gen 2 (support data transfer and 5V@3A charging)
- 1x headphone / microphone combo jack (3.5mm)

### Optional Right Ports (configured)

1x card reader

## SECURITY & PRIVACY

### Security Chip

Discrete TPM 2.0, TCG certified

### Fingerprint Reader

No fingerprint reader

### Physical Locks

Kensington® Security Slot™, 3 x 7 mm

### Other Security

ThinkShutter camera cover

## MANAGEABILITY

### System Management<sup>(21)</sup>

Intel vPro

## SERVICE

### Base Warranty

3-year, Onsite

### Included Upgrade

1Y Premier Support from 3Y Onsite WHB (CPN) (5WS1F31123)

## CERTIFICATIONS

### Green Certifications

- ENERGY STAR® 8.0
- EPEAT™ Silver Registered
- ErP Lot 3
- TCO Certified 8.0
- TCO edge
- RoHS compliant

### Other Certifications

- TÜV Rheinland® Ultra Low Noise
- TÜV Rheinland Eye Comfort Certification
- TÜV Rheinland Low Blue Light

### Mil-Spec Test

MIL-STD-810H military test passed (Low Pressure [Altitude], High Temperature, Low Temperature, Temperature Shock, Humidity, Sand and Dust, Vibration, Shock, Fungus, Solar Radiation)

## SOFTWARE

### Operating System<sup>(22)</sup>

Windows® 11 DG Windows 10 Pro 64, WE (EN/FR/DE/NL/IT)

## ACCESSORIES

## MODEL

TopSeller	: Yes	Announce Date	: 2021-11-05
EAN / UPC / JAN	: 0196119159293	End of Support	: 2027-12-20



intel

To see more note information, please link to [https://psref.lenovo.com/Detail/ThinkCentre\\_M90a\\_Gen\\_2?M=11JY000MMZ](https://psref.lenovo.com/Detail/ThinkCentre_M90a_Gen_2?M=11JY000MMZ).

## Premier Support - A direct 24x7x365 line to our most elite technicians.



Advanced technical support, 24x7x365, in more than 100 markets



Technical Account Managers for proactive relationship and escalation management



Comprehensive hardware & OEM software support



Priority on service delivery and repair parts



Single point of contact for simplified end-to-end case management



Lenovo Service Connect Portal for customized reporting and product support

## Accidental Damage Protection - Protection of your PC from the unexpected.

Experience shows that a significant portion of devices may be damaged (and not covered under warranty) in the first three years. Lenovo's Accidental Damage Protection service covers accidents beyond the system warranty such as drops, spills, bumps and even electrical surges. Make sure your new device has maximum protection, avoid unplanned costs and get peace of mind.

## Base Warranty - Included with the systems you purchase, default 1- or 3-year coverage window.

## Warranty Extensions & Upgrades - Service and protection that's right for your circumstances.

- Pick Up & Return Courier
- Onsite Support
- Technician Installed Customer
- Replaceable Unit Service
- International Warranty Upgrade

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## Recommended Accessories



### Lenovo Powered USB-C Travel Hub

4X90S92381

Travel-Ready Productivity Powerhouse; One-stop travel docking is finally here. Connect and charge new and legacy devices wherever you happen to be. Sleek and compact, the Lenovo Powered USB-C Travel Hub fits unlimited...

## Recommended Services

BEST	3Y Premier Support upgrade from 1Y Premier Support (5WS1C83308)
BETTER	2Y Premier Support upgrade from 1Y Premier Support (5WS1C83303)
GOOD	1Y Keep Your Drive Add On (5PS0V08542)

For a full list of accessories and services, please visit:  
<https://smartfind.Lenovo.com>



**PSREF**  
Product Specifications  
Reference