

## PERFORMANCE

### Processor

Intel® Core™ i5-10500 (6C / 12T, 3.1 / 4.5GHz, 12MB)

### Graphics<sup>(1)</sup>

Integrated Intel UHD Graphics 630

### Chipset

Intel Q470 Chipset

### Memory

2x 4GB SO-DIMM DDR4-2666

### Memory Slots

Two DDR4 DIMM slots, dual-channel capable

### Max Memory<sup>(2)</sup>

Up to 64GB DDR4-2933

### Storage

256GB SSD M.2 2280 PCIe® 3.0x4 NVMe® Opal

### Optane™ Memory

None

### Storage Support<sup>(3)</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
- Optional Intel Optane Memory, M.2

### Card Reader

3-in-1 Card Reader

### Optical

DVD±RW

### Audio Chip

High Definition (HD) Audio, Realtek® ALC233 codec

### Speakers

3Wx2

### Camera

FHD 1080p + IR Hybrid

### Microphone

2x, Array

### Power Supply

150W 89% Adapter

## DESIGN

### Display<sup>(4)(5)</sup>

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

### Touchscreen

None

### 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

### Carry Handle

None

### Dust Filter

None

### Mounting

VESA mount

### Form Factor

AIO (23.8 inches)

## CONNECTIVITY

### Ethernet

Integrated 100/1000M

### WLAN + Bluetooth<sup>(6)</sup>

Intel 9560, 11ac 2x2 + BT5.0

### Rear Ports<sup>(7)</sup>

- 1x DisplayPort™
- 4x USB 3.2 Gen 1 (one supports Smart Power On)
- 1x Ethernet (RJ-45)

### Optional Rear Ports (configured)

None

### Right Ports

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

### Optional Right Ports (configured)

1x card reader

### Monitor Cable

None

## SECURITY & PRIVACY

### Security Chip

Discrete TPM 2.0, TCG certified

### Fingerprint Reader

No fingerprint reader

### Physical Locks

Kensington® Security Slot™, 3 x 7 mm

### Kensington Cable Lock

None

### Chassis E-Lock

None

### Chassis Intrusion Switch

Chassis Intrusion Switch

### Other Security

ThinkShutter camera cover

## MANAGEABILITY

### System Management<sup>(8)(9)</sup>

Non-vPro®

## SERVICE

### Base Warranty

3-year, Onsite

### Included Upgrade

None

## CERTIFICATIONS

### Green Certifications<sup>(10)</sup>

- 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>(11)</sup>

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

### Bundled Software

None

## ACCESSORIES

## MODEL

**TopSeller** : Yes **Announce Date** : 2020-05-26

**EAN / UPC / JAN** : 0195042678598 **End of Support** : 2027-01-04

To see more note information, please link to [https://psref.lenovo.com/Detail/ThinkCentre\\_M90a?M=11CD004LMZ](https://psref.lenovo.com/Detail/ThinkCentre_M90a?M=11CD004LMZ).

## 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



### Kensington MicroSaver 2.0 Cable Lock from Lenovo

4XEON80914

Protect your device. Lenovo offers the latest standard in device security - the MicroSaver 2.0 Cable Lock From Lenovo. Engineered to be the smallest, strongest lock for laptops and other devices, the MicroSaver 2.0 re...

## Recommended Services

BEST	4Y Premier Support upgrade from 3Y Onsite (5WSOV08524)
BETTER	3Y Premier Support upgrade from 3Y Onsite (5WSOV08537)
GOOD	3Y Keep Your Drive Add On (5PSOV08566)

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



**PSREF**  
Product Specifications  
Reference