

## PERFORMANCE

### Processor

Intel® Core™ i9-11900K (8C / 16T, 3.5 / 5.3GHz, 16MB)

### Processor Sockets

1x FCLGA1200

### Integrated Graphics

Intel UHD Graphics 750

### Discrete Graphics

NVIDIA® RTX A2000 6GB

### Chipset

Intel W580

### Memory

2x 16GB UDIMM DDR4-3200 non-ECC

### Memory Slots

Four DDR4 UDIMM slots, dual-channel capable

### Max Memory

Up to 128GB DDR4-3200

### M.2 SSD RAID Controller

Onboard Intel RSTe PCIe

### M.2 SSD Drive

512GB SSD M.2 2280 PCIe 4.0 NVMe Opal

### HDD Controller

Onboard Intel RST SATA RAID

### SATA/SAS Drive

None

### Storage Support

Up to 2x 3.5" SATA HDD / 4x 2.5" SATA HDD + 3x M.2 SSD

- 3.5" HDD up to 4TB each
- 2.5" HDD up to 1TB each
- M.2 SSD up to 2TB each

### Optical

None

### Audio Chip

High Definition (HD) Audio, Realtek® ALC623-CG codec

### Power Supply

750W Platinum Fixed

## DESIGN

### Keyboard

USB Traditional Keyboard, Black, German

### Mouse

USB Calliope Mouse, Black

### Expansion Slots

- One PCIe 3.0 x16 (x4 lanes)
- One PCIe 4.0 x16
- One PCIe 3.0 x1

### M.2 Slots

Up to 3x M.2 SSD on models with Xeon or 11th Core processor:

- 2 via onboard slots with 1x M.2 PCIe Gen 4 and 1x M.2 PCIe Gen 3
- 1 via Single M.2 to PCIe adapter, PCIe Gen 3

### Bays

- 1x 3.5" disk bay (standard)
- 1x 3.5" disk bay (optional)
- 2x 2.5" disk bay (optional)

### Dimensions (WxDxH)

170 x 315.4 x 376 mm (6.7 x 12.4 x 14.8 inches)

### Weight

9.4 kg (20.7 lbs, maximum configuration)

## CONNECTIVITY

### Onboard Ethernet

Intel I219-LM, 1x GbE RJ-45

### Optional Ethernet

None

### WLAN + Bluetooth®

None

### Card Reader

SD Card Reader

### Front Ports

- 1x headphone / microphone combo jack (3.5mm)
- 1x USB-C 3.2 Gen 2
- 2x USB 3.2 Gen 2
- 1x microphone (3.5mm)
- 2x USB 3.2 Gen 1

### Rear Ports

- 1x serial (9-pin)
- 2x DisplayPort™
- 4x USB 3.2 Gen 1 (one supports Smart Power On)
- 1x Ethernet (RJ-45)
- 1x line-out (3.5mm)

### Optional Rear Ports (configured)

None

## SECURITY & PRIVACY

### Security Chip

Discrete TPM 2.0, TCG certified

### Physical Locks

- Cable lock
- Kensington® Security Slot
- Padlock Loop

### Cover Lock

None

### Cable Lock

Cable Lock

### Chassis Intrusion Switch

Chassis Intrusion Switch

## MANAGEABILITY

### System Management

Intel® vPro with AMT 14, DASH

### Diagnostic

Lenovo® UEFI Bootable Diagnostics

## SERVICE

### Base Warranty

3-year, Onsite

### Included Upgrade

None

## CERTIFICATIONS

### Green Certifications

- EPEAT™ Silver
- ENERGY STAR® 8.0
- RoHS compliant

### ISV Certifications

Please visit [www.thinkworkstations.com/isv-certifications/](http://www.thinkworkstations.com/isv-certifications/)

### Mil-Spec Test

MIL-STD-810H military test passed

## SOFTWARE

### Operating System

Windows® 10 Pro 64, German

### Bundled Software

None

## MODEL

TopSeller : Yes

Announce Date : 2021-11-19

EAN / UPC / JAN : 0196119817032

End of Support : 2029-07-01

## 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

Lenovo may not offer the products, services or features discussed in this document in all regions. Lenovo may withdraw an offering at any time. Information is subject to change without notice. Consult your local representative for information on offerings available in your area. Lenovo reserves the right to change specifications or other product information without notice. Lenovo is not responsible for photographic or typographical errors. Lenovo provides this publication "as is" without warranty of any kind, either express or implied, including the implied warranties of merchantability or fitness for a particular purpose.

## 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...

### ThinkPad UltraSlim USB DVD Burner

4XA0E9775

ThinkPad UltraSlim USB DVD Burner -- is a small form factor external portable DVD and CD recordable drive that can be attached to Notebooks with USB2.0 port or USB3.0 port. With 9.5mm UltraSlim engine, 20% slimmer tha...

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

## PSREF

Product Specifications  
Reference