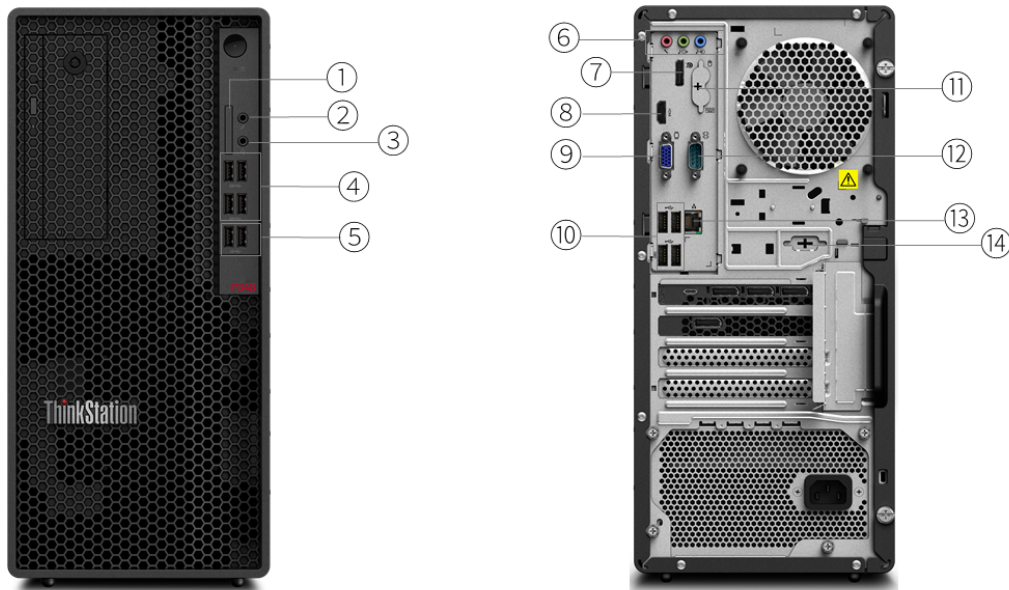


OVERVIEW



1. SD card reader *	8. HDMI
2. Microphone (3.5mm)	9. VGA
3. Headphone / microphone combo jack (3.5mm)	10. 4x USB 2.0
4. 4x USB 3.2 Gen 1	11. 2x PS/2 ports (keyboard / mouse) *
5. 2x USB 3.2 Gen 2	12. Serial
6. 3x Audio ports (3.5mm)	13. Ethernet (RJ-45)
7. DisplayPort	14. Serial *

Notes:

- Items with * are only available on selected models

PERFORMANCE

Processor

Processor Family

11th Generation Intel® Core™ i5 / i7 / i9 Processor

Processor**^[1]

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Memory Support	Processor Graphics
Core™ i5-11500	6	12	2.7GHz	4.6GHz	12MB	DDR4-3200	Intel® UHD Graphics 750
Core™ i5-11600	6	12	2.8GHz	4.8GHz	12MB	DDR4-3200	Intel® UHD Graphics 750
Core™ i7-11700	8	16	2.5GHz	4.9GHz	16MB	DDR4-3200	Intel® UHD Graphics 750
Core™ i9-11900	8	16	2.5GHz	5.2GHz	16MB	DDR4-3200	Intel® UHD Graphics 750

Processor Sockets

1x FCLGA1200

Notes:

^[1] Intel® Max Turbo frequency will vary depending on application workload and the hardware and software configurations, see

<http://www.intel.com/technology/turboboost/> for more information.

Operating System

Operating System**

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 DG Windows® 10 Pro 64
- Windows® 10 Pro 64
- Windows® 10 Home 64
- Red Hat Enterprise Linux 8.6 (certified only, for detailed and latest information, please visit [Red Hat Certified Hardware](#))
- Ubuntu Linux LTS
- No preload operating system

Graphics

Integrated Graphics**

- Intel® UHD Graphics 630
- Intel® UHD Graphics 750

Discrete Graphics Support^[1]

Supports up to one NVIDIA® GeForce RTX™ 3060, NVIDIA® RTX A2000, or AMD Radeon™ Pro WX 3200

Discrete Graphics Offering***

Graphics	Memory	Power	Connector	Form Factor	SLI / NVLink
NVIDIA® T400	2GB GDDR6	40W	3x miniDP 1.4	Single slot	None
NVIDIA® T400 4GB	4GB GDDR6	40W	3x miniDP 1.4	Single slot	None
NVIDIA® T600	4GB GDDR6	40W	4x miniDP 1.4	Single slot	None
NVIDIA® T1000	4GB GDDR6	50W	4x miniDP 1.4	Single slot	None
NVIDIA® T1000 8GB	8GB GDDR6	50W	4x miniDP 1.4	Single slot	None
NVIDIA® RTX A2000 12GB	12GB GDDR6	70W	4x miniDP 1.4a	Dual slot	None
NVIDIA® GeForce RTX™ 3060	12GB GDDR6	170W	3x DP 1.4a, 1x HDMI® 2.1	Dual slot	-
AMD Radeon™ Pro WX 3200	4GB GDDR5	50W	4x miniDP 1.4	Single slot	-

Notes:

^[1] Discrete graphics support may vary by configurations such as processor selection or power supply wattage.

Monitor Support

Monitor Support

Supports multiple displays via onboard video ports and discrete graphics, the number of maximum monitors supported depends on the graphic card in use

Chipset

Chipset

Intel® B560 chipset

Memory

Max Memory^[1]

Up to 128GB (4x 32GB DDR4 UDIMM)

Memory Type

DDR4-3200 UDIMM non-ECC

Memory Slots

Four DDR4 UDIMM slots, dual-channel capable

Memory Protection

Non-ECC

Notes:

[1] The max memory is based on the test results with current Lenovo® memory offerings.

Storage

Storage Support^{[1][2]}

Up to three drives, 2x 3.5" SATA HDD + 1x M.2 SSD

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

Storage Type^{***}

Disk Type	Interface	RPM	Offering	Security
3.5" SATA HDD	SATA 6Gb/s	7.2K	1TB / 2TB / 4TB	-
M.2 2280 SSD	PCIe® NVMe®, PCIe® 3.0 x4	-	256GB / 512GB / 1TB	Opal

Storage Controllers

Storage Controller	Type	Interface	Cache
Integrated NVMe® controller	Standard	PCIe® NVMe®	None
Integrated SATA controller	Standard	SATA 6.0Gb/s	None

Notes:

[1] The storage capacity supported is based on the test results with current Lenovo® storage offerings.

[2] For detailed storage bays information and how to upgrade optional drives for ThinkStation® products, please visit [ThinkStation® Storage Upgrade Guide](#)

Removable Storage

Optical Support

Optional one 9.0mm optical drive, DVD-ROM or DVD±RW

Card Reader

- SD card reader
- No card reader

Multi-Media

Audio Chip

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

Power Supply

Power Supply

Power	Type	Efficiency	Key Features
500W	Fixed	92%	Autosensing, 80 PLUS Platinum qualified

DESIGN**Mechanical****Form Factor**

Tower (17L)

Dimensions (WxDxH)^[1]

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

Weight^[2]

9.48 kg (20.9 lbs, maximum configuration)

Bays

- 1x 3.5" disk bay (standard)
- 1x 2.5" disk bay (optional by 2.5" HDD cage kit)
- 1x 3.5" disk bay (optional, comes with disk or 3.5" HDD cage kit in flex bay)

Flex Bays

1x Flex bay, supports 2nd 3.5" disk bay and 9.0mm optical

M.2 Slots

Up to 1x M.2 SSD via onboard slot

Expansion Slots

Supports three PCIe® slots with one PCIe® 4.0 x16 and two PCIe® 3.0 x1.

- Slot 1: PCIe® 4.0 x16, full height, full length, 75W
- Slot 2: PCIe® 3.0 x1, full height, half length, 25W
- Slot 3: PCIe® 3.0 x1, full height, half length, 25W

Notes:^[1] The system dimensions may vary depending on configurations.^[2] The system weight is approximate and based on results in Lenovo® lab, which varies depending on the source of component, variance of the distribution of each component, and manufacturing process. It may not be the exact weight for each specific model.**CONNECTIVITY****Network****Onboard Ethernet**

Gigabit Ethernet, Realtek® RTL8111K, 1x RJ-45, supports Wake-on-LAN

Optional Ethernet

One additional Ethernet adapter support, up to one additional GbE port

- Gigabit Ethernet, Intel® I210-T1, 1x RJ-45, PCIe® x1
- Gigabit Ethernet, Bitland BN8E88, 1x RJ-45, PCIe® x1
- Gigabit Ethernet, Realtek® RTL8168H, 1x RJ-45, PCIe® x1

WLAN + Bluetooth®**

- MediaTek Wi-Fi® 6 MT7921, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.1
- Intel® Wi-Fi® 6 AX201, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.1 (Bluetooth® 5.2 hardware ready)^[1]
- No WLAN and Bluetooth®

Notes:^[1] Bluetooth® 5.2 is hardware ready but may run at a lower version due to OS limitations.**Ports^[1]****Front Ports**

- 2x USB 3.2 Gen 2
- 4x USB 3.2 Gen 1
- 1x headphone / microphone combo jack (3.5mm)
- 1x microphone (3.5mm)

Optional Front Ports

None

Rear Ports^[2]

- 4x USB 2.0 (one supports Smart Power On)
- 1x HDMI[®]
- 1x DisplayPort™
- 1x VGA
- 1x Ethernet (RJ-45)
- 1x line-in (3.5mm)
- 1x line-out (3.5mm)
- 1x microphone (3.5mm)
- 1x serial (9-pin)

Optional Rear Ports^{*}**

- 2x USB 3.2 Gen 1 (via 2-port USB expansion card)
- 2x USB 2.0
- 1x parallel
- 1x serial
- 4x serial (via 4-port serial expansion card, PCIe[®] x1)
- 2x PS/2

Notes:

[1] The transfer speed of following ports will vary and, depending on many factors, such as the processing speed of the host device, file attributes and other factors related to system configuration and your operating environment, will be slower than theoretical speed.

USB 2.0: 480 Mbit/s;

USB 3.2 Gen 1 (SuperSpeed USB 5Gbps, formerly USB 3.0 / USB 3.1 Gen 1): 5 Gbit/s;

USB 3.2 Gen 2 (SuperSpeed USB 10Gbps, formerly USB 3.1 Gen 2): 10 Gbit/s;

USB4[®] 20Gbps / USB 3.2 Gen 2x2 (SuperSpeed USB 20Gbps): 20 Gbit/s;

USB4[®] 40Gbps (USB 40Gbps): 40 Gbit/s;

Thunderbolt™ 3/4: 40 Gbit/s.

[2] For video ports on discrete graphics, please see graphics section.

SECURITY & PRIVACY

Security

Security Chip

Firmware TPM 2.0 integrated in processor

Physical Locks

- (Optional) Cable lock
- (Optional) E-lock
- (Optional) Smart Cable Clip
- Kensington[®] Security Slot™, 3 x 7 mm
- Padlock Loop

Chassis Intrusion Switch

- Chassis intrusion switch
- No chassis intrusion switch

BIOS Security

- Administrator password
- Power-on password

MANAGEABILITY

System Management

System Management^[1]

Non-vPro®

Notes:

[1] Intel® vPro® offers a superset of DASH's defined capabilities.

Diagnostic

Diagnostic

Lenovo® UEFI Bootable Diagnostics

SERVICE

Warranty^[1]

Base Warranty**

- 1-year limited onsite service
 - 2-year limited onsite service
 - 3-year limited onsite service
 - No base warranty
-

Notes:

[1] The warranty upgrades may be bundled with some models, please check the "Included upgrade" column in the specific model's configurations. For more service extensions, please go to <https://smartfind.lenovo.com/>. To learn more details of warranty policy, please access <https://pcsupport.lenovo.com/warranty>.

ENVIRONMENTAL

Operating Environment

Temperature

- Operating: 10°C (50°F) to 35°C (95°F)
- Storage: -40°C (-40°F) to 60°C (140°F)

Altitude

- Operating: 0 m (0 ft) to 3048 m (10,000 ft)
- Storage: 0 m (0 ft) to 12192 m (40,000 ft)

Relative Humidity

- Operating: 20% to 80%
- Storage: 10% to 90%

CERTIFICATIONS

Green Certifications^[1]

Green Certifications

- (Optional) ENERGY STAR® 8.0
 - (Optional) EPEAT™ Silver Registered^[2]
 - (Optional) EPEAT™ Gold Registered^[3]
 - ErP Lot 3
 - RoHS compliant
 - TCO Certified 8.0
-

Notes:

[1] The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration.

[2], [3] EPEAT™ is registered where applicable, please see epeat.net for registration status by country.

ISV Certifications

ISV Certifications

Please visit www.thinkworkstations.com/isv-certifications/

- Feature with ** means that only one offering listed under the feature is configured on selected models.
- Feature with *** means that one or more offerings listed under the feature could be configured on selected models.
- 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. Some jurisdictions do not allow disclaimer of express or implied warranties in certain transactions, therefore this disclaimer may not apply to you.
- The specifications on this page may not be available in all regions, and may be changed or updated without notice.

