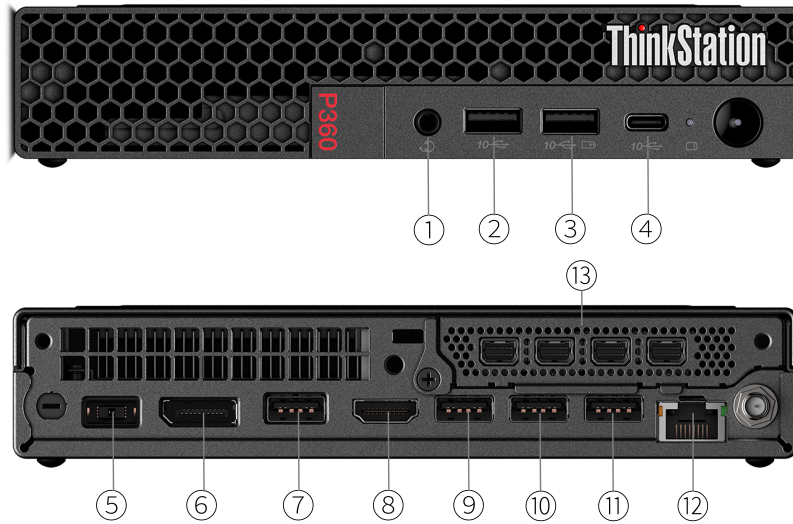


**OVERVIEW**



|  |  |
|--|--|
| 1. Headphone / microphone combo jack (3.5mm) | 8. HDMI 2.1 TMDs                               |
| 2. USB 3.2 Gen 2                             | 9. USB 3.2 Gen 1 (with Smart Power On feature) |
| 3. USB 3.2 Gen 2 (Always On and fast charge) | 10. USB 3.2 Gen 2                              |
| 4. USB-C 3.2 Gen 2                           | 11. USB 3.2 Gen 2                              |
| 5. Power connector                           | 12. Ethernet (RJ-45)                           |
| 6. DisplayPort 1.4                           | 13. 2 Optional ports or expansion cards *      |
| 7. USB 3.2 Gen 1                             |  |

Notes:

- Ports with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

12th Generation Intel® Core™ i3 / i5 / i7 / i9 Processor

#### Processor

| Processor Name | Cores                    | Threads | Base Frequency                | Max Frequency                 | Cache | Memory Support | Processor Graphics     |
|----------------|--------------------------|---------|-------------------------------|-------------------------------|-------|----------------|------------------------|
| Core i3-12100  | 4 (4 P-core + 0 E-core)  | 8       | P-core 3.3GHz                 | P-core 4.3GHz                 | 12MB  | DDR5-4800      | Intel UHD Graphics 730 |
| Core i3-12100T | 4 (4 P-core + 0 E-core)  | 8       | P-core 2.2GHz                 | P-core 4.1GHz                 | 12MB  | DDR5-4800      | Intel UHD Graphics 730 |
| Core i3-12300T | 4 (4 P-core + 0 E-core)  | 8       | P-core 2.3GHz                 | P-core 4.2GHz                 | 12MB  | DDR5-4800      | Intel UHD Graphics 730 |
| Core i3-12300  | 4 (4 P-core + 0 E-core)  | 8       | P-core 3.5GHz                 | P-core 4.4GHz                 | 12MB  | DDR5-4800      | Intel UHD Graphics 730 |
| Core i5-12400T | 6 (6 P-core + 0 E-core)  | 12      | P-core 1.8GHz                 | P-core 4.2GHz                 | 18MB  | DDR5-4800      | Intel UHD Graphics 730 |
| Core i5-12600  | 6 (6 P-core + 0 E-core)  | 12      | P-core 3.3GHz                 | P-core 4.8GHz                 | 18MB  | DDR5-4800      | Intel UHD Graphics 770 |
| Core i5-12400  | 6 (6 P-core + 0 E-core)  | 12      | P-core 2.5GHz                 | P-core 4.4GHz                 | 18MB  | DDR5-4800      | Intel UHD Graphics 730 |
| Core i5-12500T | 6 (6 P-core + 0 E-core)  | 12      | P-core 2.0GHz                 | P-core 4.4GHz                 | 18MB  | DDR5-4800      | Intel UHD Graphics 770 |
| Core i5-12500  | 6 (6 P-core + 0 E-core)  | 12      | P-core 3.0GHz                 | P-core 4.6GHz                 | 18MB  | DDR5-4800      | Intel UHD Graphics 770 |
| Core i5-12600T | 6 (6 P-core + 0 E-core)  | 12      | P-core 2.1GHz                 | P-core 4.6GHz                 | 18MB  | DDR5-4800      | Intel UHD Graphics 770 |
| Core i7-12700  | 12 (8 P-core + 4 E-core) | 20      | P-core 2.1GHz / E-core 1.6GHz | P-core 4.8GHz / E-core 3.6GHz | 25MB  | DDR5-4800      | Intel UHD Graphics 770 |
| Core i7-12700T | 12 (8 P-core + 4 E-core) | 20      | P-core 1.4GHz / E-core 1.0GHz | P-core 4.6GHz / E-core 3.4GHz | 25MB  | DDR5-4800      | Intel UHD Graphics 770 |
| Core i9-12900  | 16 (8 P-core + 8 E-core) | 24      | P-core 2.4GHz / E-core 1.8GHz | P-core 5.0GHz / E-core 3.8GHz | 30MB  | DDR5-4800      | Intel UHD Graphics 770 |
| Core i9-12900T | 16 (8 P-core + 8 E-core) | 24      | P-core 1.4GHz / E-core 1.0GHz | P-core 4.8GHz / E-core 3.6GHz | 30MB  | DDR5-4800      | Intel UHD Graphics 770 |

#### Processor Sockets

1x FCLGA1700

### Operating System

#### Operating System

- Windows® 11 Home 64
- Windows 11 DG Windows 10 Pro 64
- Ubuntu Linux
- Red Hat Enterprise Linux (certified only)
- No operating system

### Graphics

#### Integrated Graphics

- Intel UHD Graphics 730
- Intel UHD Graphics 770

#### Discrete Graphics Support

Supports up to one NVIDIA® T1000 on models with 35W processor

# ThinkStation P360 Tiny

## Discrete Graphics Offering

| Graphics     | Memory    | Power | Connector     | SLI / NVlink |
|--------------|-----------|-------|---------------|--------------|
| NVIDIA T400  | 4GB GDDR6 | 40W   | 3x miniDP 1.4 | None         |
| NVIDIA T600  | 4GB GDDR6 | 40W   | 4x miniDP 1.4 | None         |
| NVIDIA T1000 | 4GB GDDR6 | 50W   | 4x miniDP 1.4 | None         |
| NVIDIA T1000 | 8GB GDDR6 | 50W   | 4x miniDP 1.4 | None         |

## Monitor Support

### Monitor Support

Onboard graphics supports up to 4 independent displays via (onboard DP, onboard HDMI®, punch out port 1 [VGA / HDMI / DP / USB-C], and punch out port 2 [VGA / HDMI / DP]); the number of maximum monitors also depends on the discrete graphic card in use

## Chipset

### Chipset

Intel Q670 Chipset

## Memory

### Max Memory<sup>[1]</sup>

Up to 64GB DDR5-4800

### Memory Type

DDR5-4800 non-ECC

### Memory Slots

Two DDR5 SO-DIMM slots, dual-channel capable

### Notes:

1. The max memory is based on the test results with current Lenovo® memory offerings. The system may support more memory as the technology develops.

## Storage

### Storage Support

Up to two drives, 2x M.2 SSD, up to 2TB each

### Storage Type

| Disk Type    | Interface                            | RPM | Offering          | Security |
|--------------|--------------------------------------|-----|-------------------|----------|
| M.2 2280 SSD | PCIe® NVMe®, PCIe 4.0 x4 Performance | -   | 512GB / 1TB / 2TB | Opal2    |

### Storage Controllers

| Storage Controller         | Type     | Interface | RAID | Cache |
|----------------------------|----------|-----------|------|-------|
| Integrated NVMe controller | Standard | PCIe NVMe | 0/1  | None  |

## Removable Storage

### Optical Support

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

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Realtek® ALC256VB codec

## Power Supply

### Power Supply

| Power | Type    | Efficiency | Key Features |
|-------|---------|------------|--------------|
| 170W  | Adapter | 90%        | 100V - 240V  |

|      |         |     |             |
|------|---------|-----|-------------|
| 230W | Adapter | 90% | 100V - 240V |
|------|---------|-----|-------------|

## DESIGN

### Mechanical

#### Form Factor

Tiny (1L)

#### Dimensions (WxDxH)

| Models     | Dimensions  |
|------------|---|
| Tiny only  | 179 x 182.9 x 37mm with rubber feet (7.05 x 7.2 x 1.5 inches with rubber feet)      |
| Tiny & ODD | 204.2 x 186.6 x 64 mm with rubber feet (8.04 x 7.35 x 2.52 inches with rubber feet) |

#### Weight

| Models                    | Weight             |
|---------------------------|--------------------|
| Tiny only                 | 1.4 kg (3 lbs)     |
| With VESA mount & ODD box | 1.74 kg (3.84 lbs) |

#### Bays

No bays

#### M.2 Slots

- Two M.2 PCIe Gen 4x4 slots (for SSD)
- One M.2 slot (for WLAN)

#### Expansion Slots

One PCIe 4.0 x8, low-profile

## CONNECTIVITY

### Network

#### Onboard Ethernet

Gigabit Ethernet, Intel Ethernet Connection I219-LM, 1x RJ-45, supports Wake-on-LAN

#### Optional Ethernet

- Gigabit Ethernet, Intel I350-T2, 2x RJ-45, PCIe x4
- Gigabit Ethernet, Intel I350-T4, 4x RJ-45, PCIe x4
- 2.5 Gigabit Ethernet, Realtek RTL8125BGS, 1x RJ-45

#### WLAN + Bluetooth®

- Realtek RTL8852BE, Wi-Fi® 6, 802.11ax Dual Band 2x2 Wi-Fi + Bluetooth 5.2, M.2 card
- Intel Wi-Fi 6 AX201, 802.11ax 2x2 Wi-Fi + Bluetooth 5.2, M.2 Card
- Intel Wi-Fi 6E AX211, 802.11ax 2x2 Wi-Fi + Bluetooth 5.2, M.2 Card
- No WLAN and Bluetooth

### Ports<sup>[1]</sup>

#### Front Ports

- 1x USB 3.2 Gen 2
- 1x USB 3.2 Gen 2 (Always On and 5V@2.1A charging)
- 1x USB-C 3.2 Gen 2
- 1x headphone / microphone combo jack (3.5mm)

#### Rear Ports<sup>[2]</sup>

- 2x USB 3.2 Gen 1 (one supports Smart Power On)
- 2x USB 3.2 Gen 2
- 1x HDMI 2.1 TMDS
- 1x DisplayPort™ 1.4
- 1x Ethernet (RJ-45)

#### Optional Rear Ports

- Punch out port 1 (one of VGA / DisplayPort / HDMI / serial / USB-C 3.2 Gen 1 with DisplayPort and PD 3.0 functions)

# ThinkStation P360 Tiny

- 2x USB 3.2 Gen 1 (occupies port 1 and 2)
- 1x 2.5GbE RJ-45, via RTL8125BGS
- 2x GbE RJ-45, via I350-T2
- 4x GbE RJ-45, via I350-T4
- Punch out port 2 (one of VGA / DisplayPort / HDMI / serial / RJ-45)

## 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;  
USB 3.2 Gen 2x2 (SuperSpeed USB 20Gbps): 20 Gbit/s;  
Thunderbolt™ 3/4: 40 Gbit/s;  
FireWire 400: 400 Mbit/s;  
FireWire 800: 800 Mbit/s
2. For video ports on discrete graphics, please see graphics section

## SECURITY & PRIVACY

### Security

#### Security Chip

Discrete TPM 2.0, TCG certified

#### Physical Locks

Kensington® Security Slot

#### Chassis Intrusion Switch

Chassis intrusion switch

#### BIOS Security

- Administrator password
- Power-on password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Certificate based BIOS management
- Cover presence switch
- Self-healing BIOS
- Smart USB protection (allows keyboard / mouse only, blocks all storage devices)
- Individual USB port disablement

## MANAGEABILITY

### System Management

#### System Management<sup>[2]</sup>

- Intel vPro Enterprise with Intel AMT 16.0
- Standard Manageability

## Notes:

1. Intel vPro offers a superset of DASH's defined capabilities
2. Intel vPro offers a superset of DASH's defined capabilities

## SERVICE

### Warranty

#### Base Warranty<sup>[1]</sup>

- 1-year limited onsite service
- 2-year limited onsite service
- 3-year limited onsite service with 9x5 NBD (for most models)
- No base warranty

## Notes:

1. More information 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)

#### Humidity

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

## CERTIFICATIONS

### Green Certifications

#### Green Certifications

- EPEAT™ Gold
- ENERGY STAR® 8.0
- ErP Lot 3
- TCO Certified 9.0
- RoHS compliant

### Other Certifications

#### Mil-Spec Test

MIL-STD-810H military test passed

### ISV Certifications

#### ISV Certifications

Please visit [ISV certifications for Lenovo Workstations](#)

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