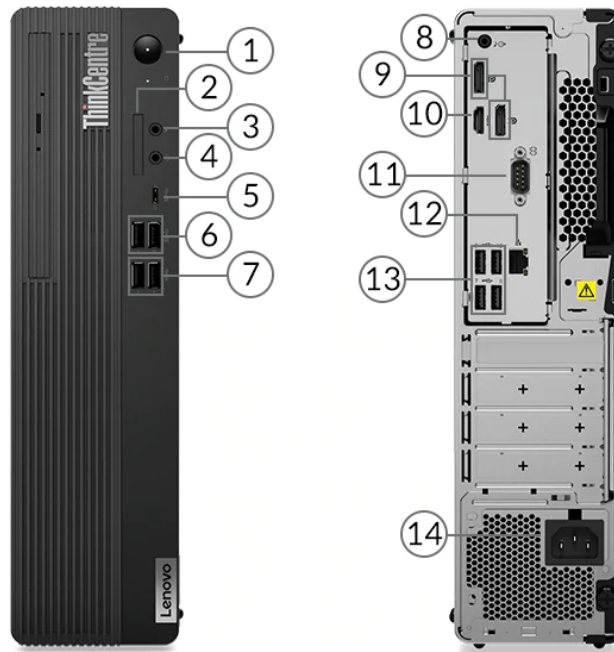


**OVERVIEW**



|  |                      |
|--|----------------------|
| 1. Power button                              | 8. Line-out (3.5mm)  |
| 2. Card reader                               | 9. 2x DisplayPort    |
| 3. Microphone (3.5mm)                        | 10. HDMI             |
| 4. Headphone / microphone combo jack (3.5mm) | 11. Serial           |
| 5. USB-C 3.2 Gen 1                           | 12. Ethernet (RJ-45) |
| 6. 2x USB 3.2 Gen 1                          | 13. 4x USB 2.0       |
| 7. 2x USB 3.2 Gen 2                          | 14. Power connector  |

Notes:

- More ports are available through the optional expansion cards (not shown on the sample product above)

## PERFORMANCE

### Processor

#### Processor Family

AMD Athlon™ or AMD Ryzen™ 3 / 5 / 7 / 9 Processor

#### Processor

| Processor Name            | Cores | Threads | Base Frequency | Max Frequency | Cache            | Memory Support | Processor Graphics          |
|---------------------------|-------|---------|----------------|---------------|------------------|----------------|-----------------------------|
| AMD Athlon Silver 3050GE  | 2     | 4       | 3.4GHz         | 3.4GHz        | 1MB L2 / 4MB L3  | DDR4-2666      | AMD Radeon™ Graphics        |
| AMD Athlon Gold PRO 3150G | 4     | 4       | 3.5GHz         | 3.9GHz        | 2MB L2 / 4MB L3  | DDR4-2933      | AMD Radeon Graphics         |
| AMD Ryzen 3 3200G         | 4     | 4       | 3.6GHz         | 4.0GHz        | 2MB L2 / 4MB L3  | DDR4-2933      | AMD Radeon Vega 8 Graphics  |
| AMD Ryzen 3 4300G         | 4     | 8       | 3.8GHz         | 4.0GHz        | 2MB L2 / 4MB L3  | DDR4-3200      | AMD Radeon Graphics         |
| AMD Ryzen 3 5300G         | 4     | 8       | 4.0GHz         | 4.2GHz        | 2MB L2 / 8MB L3  | DDR4-3200      | AMD Radeon Graphics         |
| AMD Ryzen 3 PRO 4350G     | 4     | 8       | 3.8GHz         | 4.0GHz        | 2MB L2 / 4MB L3  | DDR4-3200      | AMD Radeon Graphics         |
| AMD Ryzen 3 PRO 5350G     | 4     | 8       | 4.0GHz         | 4.2GHz        | 2MB L2 / 8MB L3  | DDR4-3200      | AMD Radeon Graphics         |
| AMD Ryzen 5 4600G         | 6     | 12      | 3.7GHz         | 4.2GHz        | 3MB L2 / 8MB L3  | DDR4-3200      | AMD Radeon Graphics         |
| AMD Ryzen 5 5600G         | 6     | 12      | 3.9GHz         | 4.4GHz        | 3MB L2 / 16MB L3 | DDR4-3200      | AMD Radeon Graphics         |
| AMD Ryzen 5 PRO 3350G     | 4     | 8       | 3.6GHz         | 4.0GHz        | 2MB L2 / 4MB L3  | DDR4-2933      | AMD Radeon Vega 11 Graphics |
| AMD Ryzen 5 PRO 3400G     | 4     | 8       | 3.7GHz         | 4.2GHz        | 2MB L2 / 4MB L3  | DDR4-2933      | AMD Radeon Vega 11 Graphics |
| AMD Ryzen 5 PRO 3600      | 6     | 12      | 3.6GHz         | 4.2GHz        | 3MB L2 / 32MB L3 | DDR4-3200      | -                           |
| AMD Ryzen 5 PRO 4650G     | 6     | 12      | 3.7GHz         | 4.2GHz        | 3MB L2 / 8MB L3  | DDR4-3200      | AMD Radeon Graphics         |
| AMD Ryzen 5 PRO 5650G     | 6     | 12      | 3.9GHz         | 4.4GHz        | 3MB L2 / 16MB L3 | DDR4-3200      | AMD Radeon Graphics         |
| AMD Ryzen 7 4700G         | 8     | 16      | 3.6GHz         | 4.4GHz        | 4MB L2 / 8MB L3  | DDR4-3200      | AMD Radeon Graphics         |
| AMD Ryzen 7 5700G         | 8     | 16      | 3.8GHz         | 4.6GHz        | 4MB L2 / 16MB L3 | DDR4-3200      | AMD Radeon Graphics         |
| AMD Ryzen 7 PRO 3700      | 8     | 16      | 3.6GHz         | 4.4GHz        | 4MB L2 / 32MB L3 | DDR4-3200      | -                           |
| AMD Ryzen 7 PRO 4750G     | 8     | 16      | 3.6GHz         | 4.4GHz        | 4MB L2 / 8MB L3  | DDR4-3200      | AMD Radeon Graphics         |
| AMD Ryzen 7 PRO 5750G     | 8     | 16      | 3.8GHz         | 4.6GHz        | 4MB L2 / 16MB L3 | DDR4 3200      | AMD Radeon Graphics         |
| AMD Ryzen 9 PRO 3900      | 12    | 24      | 3.1GHz         | 4.3GHz        | 6MB L2 / 64MB L3 | DDR4-3200      | -                           |

### Operating System

#### Operating System

- Windows® 10 Pro 64

# ThinkCentre M75s Gen 2

- Windows 10 Home 64
- Windows 10 IoT Enterprise
- Ubuntu Linux
- No operating system

## Graphics

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

| Graphics                    | Type       | Memory    | Connector                         | Max Resolution                           | Key Features |
|-----------------------------|------------|-----------|-----------------------------------|--|--------------|
| AMD Radeon Graphics         | Integrated | Shared    | 2x DisplayPort™ 1.4, 1x HDMI® 1.4 | 4096x2160@60Hz(DP), 4096x2160@24Hz(HDMI) | DirectX® 12  |
| AMD Radeon Vega 8 Graphics  | Integrated | Shared    | 2x DisplayPort 1.4, 1x HDMI 1.4   | 4096x2160@60Hz(DP), 4096x2160@24Hz(HDMI) | DirectX 12   |
| AMD Radeon Vega 11 Graphics | Integrated | Shared    | 2x DisplayPort 1.4, 1x HDMI 1.4   | 4096x2160@60Hz(DP), 4096x2160@24Hz(HDMI) | DirectX 12   |
| AMD Radeon 520              | Discrete   | 2GB GDDR5 | 2x DP 1.2                         | 4096x2160@60Hz(DP)                       | DirectX 12   |
| AMD Radeon RX 550X          | Discrete   | 4GB GDDR5 | 1x HDMI 2.0, 1x DP 1.4            | 4096x2160@60Hz(HDMI), 3840x2160@60Hz(DP) | DirectX 12   |

#### Notes:

1. The information of integrated graphics are not applicable for the models without integrated graphics (for the details, please refer to processor section)

## Monitor Support

### Monitor Support

Supports up to 3 independent displays via onboard ports (HDMI and 2x DisplayPort), more displays support via discrete graphics

## Chipset

### Chipset

AMD PRO 565 chipset

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

### Max Memory<sup>[2]</sup>

Up to 128GB DDR4-3200

### Memory Slots

Four DDR4 DIMM slots, dual-channel capable

### Memory Type<sup>[3]</sup>

- DDR4-1866
- DDR4-2133
- DDR4-2400
- DDR4-2666
- DDR4-3200

### Memory Protection

Non-ECC

#### Notes:

1. Recommend to choose the models with more than 4GB for better performance and experience
2. The max memory is based on the test results with current Lenovo® memory offerings. The system may support more memory as the technology develops.
3. Installed memory is actually 3200MHz, but may run at 1866MHz, 2133MHz, 2400MHz or 2666MHz depending on the memory support capability of processor

## Storage

### Storage Support

Up to three drives, 1x 2.5"/3.5" HDD + 1x 2.5" HDD + 1x M.2 SSD

# ThinkCentre M75s Gen 2

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

## Storage Type

| Disk Type     | Interface              | RPM  | Security |
|---------------|------------------------|------|----------|
| 2.5" SATA HDD | SATA 6Gb/s             | 7.2K | -        |
| 3.5" SATA HDD | SATA 6Gb/s             | 7.2K | -        |
| M.2 2242 SSD  | PCIe NVMe, PCIe 3.0 x2 | -    | -        |
| M.2 2242 SSD  | PCIe NVMe, PCIe 3.0 x4 | -    | -        |
| M.2 2280 SSD  | PCIe NVMe, PCIe 3.0 x4 | -    | Opal     |

## RAID

RAID 0/1 support for HDDs (RAID preset only available via special bid model)

## Removable Storage

### Optical

- DVD-ROM, SATA 1.5Gb/s, slim (9.0mm)
- DVD burner (DVD±RW), SATA 1.5Gb/s, slim (9.0mm)
- None

### Card Reader

- 3-in-1 card reader (SD, SDHC, SDXC)
- No card reader

## Multi-Media

### Audio Chip

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

### Speakers

- Single speaker, 1W x1
- No speakers

## Power Supply

### Power Supply

| Power | Type  | Efficiency | Key Features |
|-------|-------|------------|--------------|
| 180W  | Fixed | 85%        | -            |
| 260W  | Fixed | 85%        | -            |
| 310W  | Fixed | 92%        | -            |

## DESIGN

## Input Device

### Keyboard

- Lenovo Calliope Keyboard (USB connector), black
- Lenovo Calliope Wireless Keyboard (2.4GHz via USB receiver), black
- Lenovo Traditional Keyboard (USB connector), black
- No keyboard

### Mouse

- Lenovo Calliope Mouse (USB connector), black
- Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), black
- Lenovo Fingerprint Mouse (USB connector), Windows Hello support, black
- No mouse

## Mechanical

### Form Factor

SFF (8.2L)

# ThinkCentre M75s Gen 2

## Dimensions (WxDxH)

| Models     | Dimensions                                   |
|------------|--|
| All models | 93 x 298 x 340 mm (3.6 x 11.7 x 13.4 inches) |

## Weight

| Models     | Weight            |
|------------|-------------------|
| All models | 5.3 kg (11.7 lbs) |

## Case Color

Black

## Bays

- 1x 2.5" disk bay (bay comes with disk)
- 1x 3.5" disk bay
- 1x slim ODD bay

## Expansion Slots

- One PCIe 3.0 x1, low-profile (length < 155mm, height < 68mm)
- One PCIe 3.0 x16, low-profile (length < 155mm, height < 68mm)
- Two dummy slots, only brackets for optional port extension
- Two M.2 slots (one for WLAN, one for SSD)

## Stand

- Vertical stand
- No stand

## Others

(Optional) Dust filter

# CONNECTIVITY

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

### Optional Ethernet<sup>[2]</sup>

- Gigabit Ethernet, Bitland BN8E88, 1x RJ-45, PCIe x1
- Gigabit Ethernet, Bitland RTL8111FP, 1x RJ-45, PCIe x1
- No optional Ethernet

### WLAN + Bluetooth®

- Realtek RTL8852AE, Wi-Fi® 6, 802.11ax Dual Band 2x2 Wi-Fi + Bluetooth 5.2, M.2 card
- Realtek RTL8822CE, 802.11ac Dual Band 2x2 Wi-Fi + Bluetooth 5.0, M.2 card
- Intel® Wireless-AC 9260, 802.11ac Dual Band 2x2 Wi-Fi + Bluetooth 5.0, M.2 card
- No WLAN and Bluetooth

## Notes:

1. This system does not support Power Over Ethernet (PoE). If the system is used in a PoE environment, then a Network Isolator is required to prevent possible damage to the system, PoE equipment, or both.
2. RTL8111FP is not available for AP countries

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

### Front Ports

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

### Optional Front Ports

- 1x card reader
- None

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

- 4x USB 2.0
- 1x HDMI

- 2x DisplayPort
- 1x serial (9-pin)
- 1x Ethernet (RJ-45)
- 1x line-out (3.5mm)

### Optional Rear Ports

- 2x USB 3.2 Gen 1 (via 2-port USB expansion card, PCIe x1)
- 2x USB-C 3.2 Gen 2 (via 2-port USB-C expansion card, PCIe x4)
- 1x serial
- 1x parallel
- None

### 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: 40 Gbit/s;  
FireWire 400: 400 Mbit/s;  
FireWire 800: 800 Mbit/s
2. For video ports on discrete graphics, please see graphics section

## Monitor Cable

### Monitor Cable

- DP to dual DP dongle
- DP to DVI-D dongle
- DP to HDMI 1.4 dongle
- DP to VGA cable (1.5M)
- DP to VGA dongle
- HDMI to HDMI cable (1.5m)
- HDMI to VGA dongle
- No monitor cable

## SECURITY & PRIVACY

### Security

#### Security Chip

Discrete TPM 2.0, TCG certified

#### Physical Locks

- (Optional) E-lock
- (Optional) Smart Cable Clip
- Kensington® Security Slot

#### Chassis Intrusion Switch

- Chassis intrusion switch
- No chassis intrusion switch

#### Fingerprint Reader

- Touch style fingerprint reader on mouse
- No fingerprint reader

#### BIOS Security

- Administrator password
- Power-on password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Smart USB protection (allows keyboard / mouse only, blocks all storage devices)
- Individual USB port disablement

## SERVICE

## Warranty

### Base Warranty

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

## ENVIRONMENTAL

### Operating Environment

#### Temperature

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage: -40°C (-40°F) to 60°C (140°F)

#### Humidity

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

#### Altitude

- Operating: -15.2 m (-50 ft) to 3048 m (10,000 ft)
- Storage: -15.2 m (-50 ft) to 12192 m (40,000 ft)

## CERTIFICATIONS

### Green Certifications

#### Green Certifications<sup>[1]</sup>

- (Optional) EPEAT™ Gold
- (Optional) EPEAT Silver
- ErP Lot 3
- TCO Certified 8.0
- RoHS compliant

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#### Notes:

1. ENERGY STAR® 8.0 and EPEAT are only available for MT 11JA/11JB

### Other Certifications

#### Other Certifications

- (Optional) TÜV Rheinland® Low Noise
- (Optional) TÜV Rheinland Ultra Low Noise

#### 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)



AMD



AMD



AMD



AMD



AMD



AMD