

## PERFORMANCE

### Processor

#### Processor Family

AMD Athlon™, AMD A6 / A10 / A12, or AMD Ryzen™ 3 / 5 Processor

#### Processor

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Memory Support	Processor Graphics
AMD Athlon 200GE	2	4	3.2GHz	-	1MB L2 / 4MB L3	DDR4-2666	AMD Radeon™ Vega 3 Graphics
AMD Athlon PRO 200GE	2	4	3.2GHz	-	1MB L2 / 4MB L3	DDR4-2666	AMD Radeon Vega 3 Graphics
AMD PRO A6-8570E	2	2	3.0GHz	3.4GHz	1MB L2	DDR4-2400	AMD Radeon R5 Graphics
AMD PRO A6-9500E	2	2	3.0GHz	3.4GHz	1MB L2	DDR4-2400	AMD Radeon R5 Graphics
AMD PRO A10-8770E	4	4	2.8GHz	3.5GHz	2MB L2	DDR4-2400	AMD Radeon R7 Graphics
AMD PRO A10-9700E	4	4	3.0GHz	3.5GHz	2MB L2	DDR4-2400	AMD Radeon R7 Graphics
AMD PRO A12-8870E	4	4	2.9GHz	3.8GHz	2MB L2	DDR4-2400	AMD Radeon R7 Graphics
AMD PRO A12-9800E	4	4	3.1GHz	3.8GHz	2MB L2	DDR4-2400	AMD Radeon R7 Graphics
AMD Ryzen 3 2200GE	4	4	3.2GHz	3.6GHz	2MB L2 / 4MB L3	DDR4-2933	AMD Radeon Vega 8 Graphics
AMD Ryzen 3 PRO 2200GE	4	4	3.2GHz	3.6GHz	2MB L2 / 4MB L3	DDR4-2933	AMD Radeon Vega 8 Graphics
AMD Ryzen 5 2400GE	4	8	3.2GHz	3.8GHz	2MB L2 / 4MB L3	DDR4-2933	AMD Radeon RX Vega 11 Graphics
AMD Ryzen 5 PRO 2400GE	4	8	3.2GHz	3.8GHz	2MB L2 / 4MB L3	DDR4-2933	AMD Radeon Vega 11 Graphics

### Operating System

#### Operating System

- Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64-bit
- Windows 10 Pro 64
- Windows 10 Home 64
- Ubuntu Linux
- No operating system

### Graphics

#### Graphics<sup>[2]</sup>

Graphics	Type	Memory	Connector	Max Resolution	Key Features
AMD Radeon R5 Graphics	Integrated	Shared	2x DisplayPort™, 1x optional port (VGA / 3rd DP / HDMI®)	4096x2160@30Hz(HDMI), 4096x2160@60Hz(DP), 1920x1200@60Hz(VGA)	DirectX® 12
AMD Radeon R7 Graphics	Integrated	Shared	2x DisplayPort, 1x optional port (VGA / 3rd DP / HDMI)	4096x2160@30Hz(HDMI), 4096x2160@60Hz(DP), 1920x1200@60Hz(VGA)	DirectX 12
AMD Radeon Vega 3 Graphics	Integrated	Shared	2x DisplayPort, 1x optional port (VGA / 3rd DP / HDMI)	4096x2160@30Hz(HDMI), 4096x2160@60Hz(DP), 1920x1200@60Hz(VGA)	DirectX 12

# ThinkCentre M715 Tiny (2nd Gen)

AMD Radeon Vega 8 Graphics	Integrated	Shared	2x DisplayPort, 1x optional port (VGA / 3rd DP / HDMI)	4096x2160@30Hz(HDMI), 4096x2160@60Hz(DP), 1920x1200@60Hz(VGA)	DirectX 12
AMD Radeon RX Vega 11 Graphics	Integrated	Shared	2x DisplayPort, 1x optional port (VGA / 3rd DP / HDMI)	4096x2160@30Hz(HDMI), 4096x2160@60Hz(DP), 1920x1200@60Hz(VGA)	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)
2. Supports maximum of 2 concurrent HDMI/DVI displays when using HDMI port or DP to DVI/HDMI dongles, and Athlon / Athlon PRO only support 2 displays

## Monitor Support

### Monitor Support<sup>[1]</sup>

Supports up to 3 independent displays via onboard ports (2x DisplayPort + 1x optional port [VGA / 3rd DP / HDMI])

**Notes:**

1. Supports maximum of 2 concurrent HDMI/DVI displays when using HDMI port or DP to DVI/HDMI dongles, and Athlon / Athlon PRO only support 2 displays

## Chipset

### Chipset

AMD B300 chipset

## Memory

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

Up to 32GB DDR4-2666

### Memory Slots

Two DDR4 SO-DIMM slots, dual-channel capable

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

DDR4-2666

### Memory Protection

Non-ECC

**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.
2. Installed memory is actually 2666MHz, but run at 2400MHz due to the memory support capability of processor

## Storage

### Storage Support

Up to two drives, 1x 2.5" HDD/SSD + 1x M.2 2242/2280 SSD

- 2.5" HDD up to 1TB
- 2.5" SSD up to 128GB
- M.2 SSD up to 1TB

### Storage Type

Disk Type	Interface	RPM	Security
2.5" SATA HDD	SATA 6Gb/s	5.4K	-
2.5" SATA HDD	SATA 6Gb/s	7.2K	-
2.5" SATA SSD	SATA 6Gb/s	-	-
M.2 2242 SSD	PCIe NVMe, PCIe 3.0 x2	-	-
M.2 2280 SSD	PCIe NVMe, PCIe 3.0 x4	-	Opal
M.2 2280 SSD	PCIe NVMe, PCIe 3.0 x4	-	-

## RAID

# ThinkCentre M715 Tiny (2nd Gen)

No support

## Removable Storage

### Optical

- DVD-ROM, slim (9.0mm), via USB external ODD box
- DVD burner (DVD±RW), slim (9.0mm), via USB external ODD box
- None

### Card Reader

No card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Realtek® ALC233VB2 codec

### Speakers

Single speaker, 1.5W x1

## Power Supply

### Power Supply

Power	Type	Efficiency	Key Features
65W	Adapter	88%	Autosensing
No power supply	-	-	-

## 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

Tiny (1L)

### Dimensions (WxDxH)

Models	Dimensions
Tiny only	179 x 183 x 34.5 / 37 mm with rubber feet (7.05 x 7.2 x 1.36 / 1.5 inches with rubber feet)
With VESA mount & ODD box	188.4 x 185.38 x 63 mm (7.42 x 7.30 x 2.48 inches)

### Weight

Models	Weight
Tiny only	1.32 kg (2.91 lbs)
With VESA mount & ODD box	1.66 kg (3.66 lbs)

### Case Color

Black

### Bays

1x 2.5" disk bay

# ThinkCentre M715 Tiny (2nd Gen)

## Expansion Slots

Two M.2 slots (one for WLAN, one for SSD)

## EOU

(Optional) toolless chassis open (toolless chassis screw required) and toolless M.2 SSD, HDD, memory assembly / removal

## Stand

- Vertical stand
- No stand

## Mounting

- VESA mount bracket kit, supports VESA mount 75mm and 100mm
- None

## Others

- (Optional) Dust filter
- (Optional) Power adapter cage

# CONNECTIVITY

## Network

### Onboard Ethernet

Gigabit Ethernet, Realtek RTL8111EPV, 1x RJ45, supports Wake-on-LAN

### Optional Ethernet

No optional Ethernet

### WLAN + Bluetooth®

- Realtek RTL8821CE, 802.11ac Dual Band 1x1 Wi-Fi® + Bluetooth 4.2, M.2 card
- Realtek RTL8822BE, 802.11ac Dual Band 2x2 Wi-Fi + Bluetooth 4.2, M.2 card
- Qualcomm® QCA6174A, 802.11ac Dual Band 2x2 Wi-Fi + Bluetooth 4.2, M.2 card
- Qualcomm QCA9377, 802.11ac Dual Band 1x1 Wi-Fi + Bluetooth 4.2, M.2 card
- Intel® Wireless-AC 9260, 802.11ac Dual Band 2x2 Wi-Fi + Bluetooth 5.0, M.2 card
- No WLAN and Bluetooth

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

### Front Ports

- 1x USB 3.1 Gen 1
- 1x USB 3.1 Gen 1 (Always On and fast charge)
- 1x headphone / microphone combo jack (3.5mm)
- 1x microphone (3.5mm)

### Optional Front Ports

None

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

- 3x USB 2.0
- 1x USB 3.1 Gen 1
- 2x DisplayPort
- 1x Ethernet (RJ-45)
- 1x headphone (3.5mm)

### Optional Rear Ports<sup>[3]</sup>

Optional Port 1 (One of VGA / 3rd DisplayPort / HDMI / serial)

## 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

3. Not support VGA, 3rd DP, HDMI for the models with Athlon / Athlon PRO

## Monitor Cable

### Monitor Cable

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

## SECURITY & PRIVACY

### Security

#### Security Chip

Discrete TPM 2.0, TCG certified

#### Physical Locks

Kensington® Security Slot

#### Chassis Intrusion Switch

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

## MANAGEABILITY

### System Management

#### System Management

DASH 1.0 / 1.1

## SERVICE

### Warranty

#### Base Warranty

- 1-year depot service
- 1-year limited onsite service
- 3-year depot 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

- ErP Lot 3
- RoHS compliant

### Other Certifications

#### Mil-Spec Test

MIL-STD-810G military test passed (Low Pressure [Altitude], High Temperature, Low Temperature, Temperature Shock, Humidity, Sand and Dust, Vibration, Shock)

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