

## PERFORMANCE

### Processor

#### Processor Family

8th / 9th Gen Intel® Core™ i3 / i5 / i7 Processors

#### Processor

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Memory Support	Processor Graphics
Core i3-9100	4	4	3.6GHz	4.2GHz	6MB	DDR4-2400	Intel UHD Graphics 630
Core i5-8400	6	6	2.8GHz	4.0GHz	9MB	DDR4-2666	Intel UHD Graphics 630
Core i5-9400	6	6	2.9GHz	4.1GHz	9MB	DDR4-2666	Intel UHD Graphics 630
Core i5-9400F	6	6	2.9GHz	4.1GHz	9MB	DDR4-2666	-
Core i7-8700	6	12	3.2GHz	4.6GHz	12MB	DDR4-2666	Intel UHD Graphics 630
Core i7-9700	8	8	3.0GHz	4.7GHz	12MB	DDR4-2666	Intel UHD Graphics 630
Core i7-9700F	8	8	3.0GHz	4.7GHz	12MB	DDR4-2666	-

### Operating System

#### Operating System

- Windows® 10 Home 64
- FreeDOS

### Graphics

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

Graphics	Type	Memory	Connector	Max Resolution	Key Features
NVIDIA® GeForce® GTX 1650	Discrete	4GB GDDR5	1x HDMI® 2.0b, 2x DP 1.4	4096x2160@60Hz(HDMI), 7680x4320@60Hz(DP)	DirectX® 12
NVIDIA GeForce GTX 1660	Discrete	6GB GDDR5	1x DVI, 1x HDMI 2.0b, 1x DP 1.4	7680x4320@60Hz(DP)	DirectX 12
NVIDIA GeForce GTX 1660 SUPER	Discrete	6GB GDDR6	1x DVI, 1x HDMI 2.0b, 1x DP 1.4	7680x4320@60Hz(DP)	DirectX 12
NVIDIA GeForce GTX 1660 Ti	Discrete	6GB GDDR6	1x DVI, 1x HDMI 2.0b, 1x DP 1.4	7680x4320@60Hz(DP)	DirectX 12

#### Notes:

- Integrated graphics information and onboard video ports information are not applicable for all models without integrated graphics (for the details, please refer to processor section)

### Monitor Support

#### Monitor Support

Supports up to 2 independent displays via native display and 1 external monitor; supports external monitor via HDMI

### Chipset

#### Chipset

Intel B365 chipset

### Memory

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

DDR4-2666

#### Memory Slots

Two DDR4 UDIMM slots, dual-channel capable

#### Memory Protection

Non-ECC

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

Up to 32GB DDR4-2666

**Notes:**

1. Installed memory is actually 2666MHz, but run at 2400MHz or 2600MHz depending on the memory support capability of processor
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.

**Storage****Storage Support**

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

- 3.5" HDD up to 2TB
- M.2 SSD up to 1TB
- Optional Intel Optane™ Memory or Optane Memory Integrated with SSD, M.2

**RAID**

Not support

**Storage Type**

Disk Type	Interface	RPM	Security
3.5" SATA HDD	SATA 6Gb/s	7.2K	-
M.2 2242 SSD	PCIe NVMe	-	-
M.2 2280 SSD	PCIe NVMe	-	-
Intel Optane Memory	PCIe NVMe	-	-
Intel Optane Memory with Solid State Storage, M.2 2280	PCIe NVMe, PCIe 3.0 x4	-	-

**Removable Storage****Optical**

None

**Card Reader**

- 7-in-1 card reader (SD, SDHC, SDXC, MMC, MS, MS-Pro, MMC plus)
- No card reader

**Multi-Media****Audio Chip**

High Definition (HD) Audio, Realtek® ALC222-CG codec

**Power Supply****Power Supply**

Power	Type	Efficiency	Key Features
210W	Fixed	85%	autosensing
310W	Fixed	92%	autosensing

**DESIGN****Input Device****Keyboard**

- Lenovo Calliope Keyboard (USB connector), black
- No keyboard

**Mouse**

- Lenovo Calliope Mouse (USB connector), black
- No mouse

**Mechanical****Form Factor**

# ideacentre T540-15ICK G

Tower (15L)

## Dimensions (WxDxH)

145 x 302.7 x 366 mm (5.7 x 11.9 x 14.4 inches)

## Weight

6.24 kg (13.75 lbs)

## Case Color

Mineral grey

## Bays

1x 3.5" disk bay

## Expansion Slots

- One PCIe 3.0 x16, full height
- One PCIe 3.0 x1, full height
- Two M.2 slots (one for WLAN, one for SSD)

## Cooling System (Fan&Cooler)

- (Optional) Rear system fan
- (Optional) Front system fan, rear system fan

## CONNECTIVITY

### Network

#### Onboard Ethernet

Gigabit Ethernet, 1x RJ45

#### WLAN + Bluetooth™

- 802.11ac 1x1 Wi-Fi + Bluetooth 4.0, M.2 card
- 802.11ac 2x2 Wi-Fi + Bluetooth 4.0, M.2 card
- No WLAN and Bluetooth

### Ports

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

- 4x USB 3.1 Gen 1
- 1x USB-C 3.1 Gen 1
- 1x card reader
- 1x headphone / microphone combo jack (3.5mm)
- 1x microphone (3.5mm)

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

- 4x USB 2.0
- 1x Ethernet (RJ-45)
- 1x HDMI 1.4b
- 1x VGA
- 1x line-out (3.5mm)
- 1x power connector

#### 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

## SECURITY & PRIVACY

### Security

### BIOS Security

- Power-on password
- Administrator password
- Hard disk password

## SERVICE

### Warranty

#### Base Warranty

- 1-year mail-in service
- 1-year depot service
- 2-year depot service

## CERTIFICATIONS

### Green Certifications

#### Green Certifications

- ErP Lot 3
- RoHS compliant

