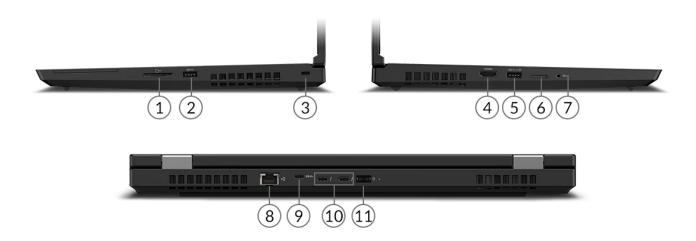


# **OVERVIEW**



1. SD card reader	7. Headphone / microphone combo jack (3.5mm)
2. USB 3.2 Gen 1	8. Ethernet (RJ-45)
3. Kensington Security Slot	9. USB-C 3.2 Gen 1
4. HDMI 2.0	10. 2x USB-C 3.2 Gen 2 / Thunderbolt 3
5. USB 3.2 Gen 1	11. Power connector
6. Nano-SIM card slot *	

### Notes:

• Ports with \* are only available on selected models



## **PERFORMANCE**

### **Processor**

#### **Processor Family**

10th Generation Intel® Core™ i5 / i7 / i9 Processor or Intel Xeon® W Processor

#### **Processor**

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Memory Support	Processor Graphics
Core i5-10400H	4	8	2.6GHz	4.6GHz	8MB	DDR4-2933	Intel UHD Graphics
Core i7-10750H	6	12	2.6GHz	5.0GHz	12MB	DDR4-2933	Intel UHD Graphics
Core i7-10850H	6	12	2.7GHz	5.1GHz	12MB	DDR4-2933	Intel UHD Graphics
Core i7-10875H	8	16	2.3GHz	5.1GHz	16MB	DDR4-2933	Intel UHD Graphics
Core i9-10885H	8	16	2.4GHz	5.3GHz	16MB	DDR4-2933	Intel UHD Graphics
Core i9-10980HK	8	16	2.4GHz	5.3GHz	16MB	DDR4-2933	Intel UHD Graphics
Xeon W-10855M	6	12	2.8GHz	5.1GHz	12MB	DDR4-2933	Intel UHD Graphics
Xeon W-10885M	8	16	2.4GHz	5.3GHz	16MB	DDR4-2933	Intel UHD Graphics

## **Operating System**

### **Operating System**

- Windows® 10 Home 64
- Windows 10 Pro 64
- Windows 10 Pro 64 for Workstations
- Fedora Linux
- Red Hat Enterprise Linux (certified only)
- Ubuntu Linux LTS
- No operating system

## **Graphics**

### **Graphics**

Graphics	Туре	Memory	Key Features
NVIDIA® GeForce® RTX™ 2070 SUPER Max-Q	Discrete	8GB GDDR6	VR ready, DirectX® 12
NVIDIA GeForce RTX 2080 SUPER Max-Q	Discrete	8GB GDDR6	VR ready, DirectX 12

## **Monitor Support**

## **Monitor Support**

Supports up to 5 independent displays via native display and 4 external monitors; supports external monitors via HDMI® (up to 4K@60Hz), USB-C (up to 4K@60Hz) or Thunderbolt™ (one supports up to 5K@60Hz and the other supports up to 4K@60Hz)

### **Chipset**

### Chipset

Intel WM490 chipset

### Memory

## Max Memory[1]

Up to 128GB

### **Memory Slots**

Four DDR4 SO-DIMM slots, dual-channel capable

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

- DDR4-2933 ECC
- DDR4-2933 non-ECC

## **Memory Protection**

ECC on models with ECC DIMMs and Xeon processor



#### 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. Non-ECC memory is actually DDR4-3200 but may run at DDR4-2933 due to processor limitation

### **Storage**

#### **Storage Support**

Up to two drives, 2x M.2 2280 SSD

• M.2 2280 SSD up to 2TB each

#### **Storage Type**

Disk Type	Interface	RPM	Security
M.2 2280 SSD	PCIe NVMe, PCIe 3.0 x4	-	Opal2

#### RAID

RAID 0/1 support

## **Removable Storage**

#### **Optical**

None

#### **Card Reader**

SD card reader

### Multi-Media

#### **Audio Chip**

High Definition (HD) Audio, Realtek® ALC3286 codec

#### **Speakers**

Stereo speakers, Dolby® Atmos® Speaker System certified

### Microphone

- · Dual array microphone, far-field
- · No microphone

#### Camera

- 720p, with ThinkShutter, fixed focus
- IR & 720p, with ThinkShutter, fixed focus
- No camera

### **Battery**

#### **Battery**

Integrated Li-Polymer 94Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 230W AC adapter

#### Max Battery Life[1]

MobileMark<sup>®</sup> 2014: 16.4 hr MobileMark 2018: 10.3 hr JEITA 2.0: 17.4 hr

## Notes:

1. All battery life claims are approximate maximum and based on results using the MobileMark 2014, MobileMark 2018, and/or JEITA 2.0 battery-life benchmark tests. Actual battery life will vary and depends on many factors such as product configuration and usage, software use, wireless functionality, power management settings, and screen brightness. The maximum capacity of the battery will decrease with time and use.

## **Power Adapter**

#### **Power Adapter**

- 170W slim tip AC adapter (2-pin)
- 170W slim tip AC adapter (3-pin)
- 230W slim tip AC adapter (3-pin)

## **DESIGN**



## **Display**

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

Size	Resolution	Touch	Туре	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle	Key Features
15.6"	FHD (1920x1080)	None	IPS	500 nits	Anti-glare	16:9	1200:1	72% NTSC	160°	Dolby Vision™, HDR
15.6"	FHD (1920x1080)	None	IPS	300 nits	Anti-glare	16:9	700:1	72% NTSC	160°	-
15.6"	UHD (3840x2160)	Multi- touch	OLED	SDR 400nit, HDR 500nit (peak)	Anti- reflection Anti- smudge	16:9	100000:1	100% DCI- P3	170°	Dolby Vision, HDR
15.6"	UHD (3840x2160)	None	IPS	600 nits	Anti-glare	16:9	1400:1	100% Adobe® RGB	178°	Dolby Vision, HDR

#### **Color Calibration**

X-Rite Pantone factory color calibration (UHD display)

#### **Touchscreen**

- On-cell touch, supports 10-point touch
- Non-touch

#### Notes:

1. California Electronic Waste Recycling Fee In California, per state law, Lenovo charges an electronic waste recycling fee on this covered device at the time of sale of the product. For more information, go to https://www.calrecycle.ca.gov/Electronics/Consumer

2. For non-OLED display, HDR is only supported under hybrid mode

## **Input Device**

#### Pen

- Lenovo Pen Pro (for UHD OLED models)
- None

## Keyboard

6-row, spill-resistant, multimedia Fn keys with Unified Communications controls, numeric keypad

### **Keyboard Backlight**

LED backlight

### UltraNav™

3-button TrackPoint® pointing device and mylar surface multi-touch touchpad

### Mechanical

### Dimensions (WxDxH)

Models	Dimensions
Touch models	375.4 x 252.3 x 25.25-32.2 mm (14.24 x 9.67 x 0.99-1.27 inches)
Non-touch models	375.4 x 252.3 x 24.5-31.45 mm (14.24 x 9.67 x 0.96-1.24 inches)

### Weight

2.74 kg (6.05 lbs)

#### **Case Color**

Black

### Case Material

PPS695 + GF 50% (top), PPS + GF (bottom)

## CONNECTIVITY



#### **Network**

#### **Onboard Ethernet**

- Gigabit Ethernet, Intel Ethernet Connection I219-V (non-vPro models)
- Gigabit Ethernet, Intel Ethernet Connection I219-LM (vPro models)

### WLAN + Bluetooth™

- Intel Wi-Fi 6 AX201, 802.11ax 2x2 Wi-Fi + Bluetooth 5.1, M.2 Card
- No WLAN and Bluetooth

#### **WWAN**

- Integrated Mobile Broadband 4G LTE-A, Fibocom L860-GL, MIMO 4x4, M.2 card
- Wireless WAN upgradable to 4G
- Not Support

#### **NFC**

Not support

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

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

- 2x USB 3.2 Gen 1 (one Always On)
- 2x USB-C 3.2 Gen 2 / Thunderbolt 3 (support data transfer, Power Delivery and DisplayPort™ 1.4)
- 1x USB-C 3.2 Gen 1 (support data transfer, Power Delivery and DisplayPort 1.4)
- 1x HDMI 2.0
- 1x SD card reader
- 1x Ethernet (RJ-45)
- 1x headphone / microphone combo jack (3.5mm)
- 1x Security keyhole

#### **Optional Ports**

- 1x Smart card reader
- 1x Nano-SIM card slot (WWAN models)

#### 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, formely USB 3.0 / USB 3.1 Gen 1): 5 Gbit/s;

USB 3.2 Gen 2 (SuperSpeed USB 10Gbps, formely 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. Depending on many factors, actual data transfer speed may be lower than theoretical speed

### **Monitor Cable**

## **Monitor Cable**

- Lenovo HDMI to VGA Monitor Adapter
- Lenovo USB-C to DisplayPort Adapter
- Lenovo USB-C to VGA Adapter
- No monitor cable

### SECURITY & PRIVACY

### **Security**

### **Security Chip**

- · Discrete TPM 2.0, TCG certified
- Firmware TPM 2.0 integrated in chipset
- Disabled (in some regions)

#### **Physical Locks**

Kensington® Security Slot

### **Smart Card Reader**

# ThinkPad T15g Gen 1



- · Smart card reader
- · No smart card reader

#### **Fingerprint Reader**

Touch style fingerprint reader on palm rest, match-on-chip

### **BIOS Security**

- Power-on password
- · Supervisor password
- Hard disk password
- Self-healing BIOS

#### **Other Security**

- · (Optional) ThinkShutter camera cover
- (Optional) IR camera for Windows Hello

### **MANAGEABILITY**

### **System Management**

#### **System Management**

- · Intel vPro Technology, DASH
- None

## **SERVICE**

## Warranty

#### **Base Warranty**

- 1-year depot service
- · 1-year limited onsite service
- 1-year depot with 2-year system board service
- 1-year + 2-year depot service
- 1-year + 2-year limited onsite service
- 3-year depot service
- 3-year limited onsite service
- · No base warranty

### ENVIRONMENTAL

### **Operating Environment**

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

- Storage without package: 5°C (41°F) to 43°C (109°F)
- Storage and transportation in original shipping package: -20°C (-4°F) to 60°C (140°F)
- Operating: 5°C (41°F) to 35°C (95°F)

#### Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

#### **Altitude**

Maximum altitude (without pressurization): 3048 m (10,000 ft)

### Notes:

- 1. When you charge the battery, its temperature must be no lower than 10°C (50°F)
- 2. When charging the battery pack, the environment temperature must be no lower than 10 % (50 %)

## **ACCESSORIES**

## **Bundled Accessories**

## **Bundled Accessories**

None



## **CERTIFICATIONS**

## **Green Certifications**

### **Green Certifications**

- EPEAT™ Gold
- ENERGY STAR® 8.0
- RoHS compliant

### **Other Certifications**

### Mil-Spec Test

MIL-STD-810G military test passed

### **ISV Certifications**

#### **ISV Certifications**

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











