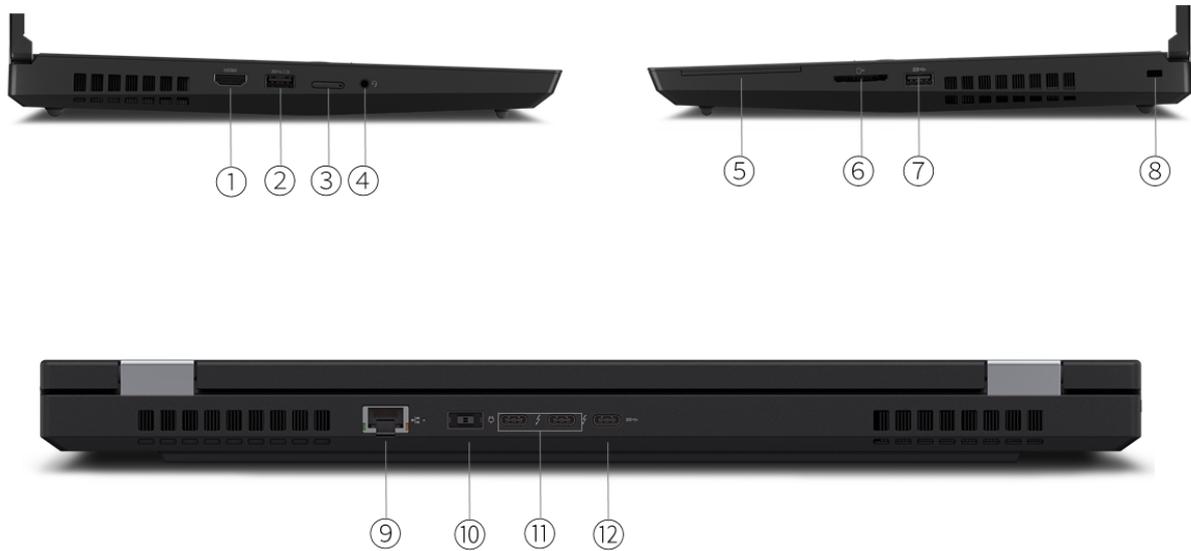


## OVERVIEW



1. HDMI 2.1 / 2.0	7. USB 3.2 Gen 1
2. USB 3.2 Gen 1 (Always On)	8. Kensington Security Slot
3. Nano-SIM card slot *	9. 2.5GbE (RJ-45)
4. Headphone / microphone combo jack (3.5mm)	10. Power connector
5. Smart card reader *	11. 2x Thunderbolt 4
6. SD card reader	12. USB-C 3.2 Gen 2

Notes:

- Items with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

11th Generation Intel® Core™ i5 / i7 / i9 or Intel Xeon® Processor

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics
Core i5-11500H	6	12	2.9GHz	4.6GHz	12MB	Intel UHD Graphics
Core i7-11800H	8	16	2.3GHz	4.6GHz	24MB	Intel UHD Graphics
Core i7-11850H	8	16	2.5GHz	4.8GHz	24MB	Intel UHD Graphics
Core i9-11950H	8	16	2.6GHz	5.0GHz	24MB	Intel UHD Graphics
Xeon W-11955M	8	16	2.6GHz	5.0GHz	24MB	Intel UHD Graphics
Xeon W-11855M	6	12	3.2GHz	4.9GHz	18MB	Intel UHD Graphics

### Operating System

#### Operating System\*\*<sup>[1]</sup>

- Windows® 11 Pro
- Windows 11 Pro for Workstations
- Windows 11 Home
- Windows 11 Home Single Language
- Windows 11 DG Windows 10 Pro 64
- Windows 11 DG Windows 10 Pro 64 for Workstations
- Windows 10 Pro 64
- Windows 10 Pro 64 for Workstations
- Windows 10 Home 64
- Windows 10 Home 64 Single Language
- Fedora Linux
- Ubuntu Linux LTS
- Ubuntu Linux with Data Science Preload
- Red Hat Enterprise Linux 8.4 (certified only, for detailed and latest information, please visit [Red Hat Certified Hardware](#))

Notes:

[1] As preloaded OS, Fedora and Ubuntu Linux will be available in October 2021.

### Graphics

#### Graphics\*\*

Graphics	Type	Memory	TGP	Key Features
NVIDIA® GeForce RTX™ 3070 Laptop GPU	Discrete	8GB GDDR6	90W	Resizable BAR, Dynamic Boost 2.0, DirectX® 12
NVIDIA GeForce RTX 3080 Laptop GPU	Discrete	16GB GDDR6	90W	Resizable BAR, Dynamic Boost 2.0, DirectX 12

### Monitor Support

#### Monitor Support

Supports up to 5 independent displays (native display and 4 external monitors via HDMI®, USB-C®, or Thunderbolt™) on hybrid mode only

- HDMI supports up to 4K@60Hz on NVIDIA T1200, 8K@60Hz on other discrete graphics
- USB-C up to 5120x3200@60Hz
- Thunderbolt supports up to 5120x3200@60Hz

### Chipset

#### Chipset

Intel WM590 chipset

### Memory

#### Max Memory

# ThinkPad T15g Gen 2

Up to 128GB (4x 32GB DDR4 SO-DIMM)

## Memory Slots

Four DDR4 SO-DIMM slots, dual-channel capable

## Memory Type\*\*

- DDR4-3200 ECC
- DDR4-3200 non-ECC

## Memory Protection

ECC on models with ECC DIMMs and Xeon processor

## Storage

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

Up to three drives, 3x M.2 SSD

- M.2 2280 SSD up to 2TB

### Storage Slot<sup>[2]</sup>

Three M.2 slots

- Two M.2 2280 PCIe® 3.0 x4 slots
- One M.2 2280 PCIe 4.0 x4 slot

### Storage Type\*\*\*<sup>[3]</sup>

Disk Type	Interface	RPM	Offering	Security
M.2 2280 SSD	PCIe NVMe®, PCIe x4	-	256GB / 512GB / 1TB	Opal 2.0
M.2 2280 SSD	PCIe NVMe, PCIe 4.0 x4 Performance	-	512GB / 1TB / 2TB	Opal 2.0

### RAID<sup>[4]</sup>

RAID 0/1 support on two M.2 PCIe Gen 3x4 slots

Notes:

<sup>[1]</sup> The storage capacity supported is based on the test results with current Lenovo® storage offerings. The system may support larger storage as the technology develops.

<sup>[2]</sup> M.2 PCIe Gen 4 SSD in a M.2 PCIe Gen 3 slot runs at PCIe Gen 3 speeds.

<sup>[3]</sup> PCIe x4 SSD may be PCIe 3.0 x4 or PCIe 4.0 x4 as substitution.

<sup>[4]</sup> Opal capability is not available in RAID mode.

## Removable Storage

### Optical

None

### Card Reader

SD card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Realtek® ALC3306 codec

### Speakers

Stereo speakers, Dolby® Atmos®

### Microphone

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

### Camera\*\*

- HD 720p, with privacy shutter, fixed focus
- HD 720p + IR hybrid, with privacy shutter, fixed focus
- No camera

## Battery

### Battery

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

### Max Battery Life<sup>[1]</sup>

# ThinkPad T15g Gen 2

MobileMark® 2018: 7 hr  
JEITA 2.0: 11 hr

Notes:

[1] All battery life claims are approximate maximum and based on results using the MobileMark 2014, MobileMark 2018, MobileMark 25, JEITA 2.0, continuous 1080p video playback (with 150nits brightness and default volume level) or Google Power Load Test (PLT) battery-life benchmark tests. Actual battery life will vary depending 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\*\*[1]

- 170W slim tip (3-pin) AC adapter, 100-240V, 50-60Hz
- 230W slim tip (3-pin) AC adapter, 100-240V, 50-60Hz

Notes:

[1] AC adapter offerings depend on the country.

## DESIGN

### Display

#### Display\*\*[1][2]

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle (L/R/U/D)	Key Features
15.6"	FHD (1920x1080)	None	IPS	300 nits	Anti-glare	16:9	700:1	100% sRGB	85°/85°/85°/85°	-
15.6"	FHD (1920x1080)	None	IPS	500 nits	Anti-glare	16:9	1200:1	100% sRGB	85°/85°/85°/85°	Dolby Vision™
15.6"	UHD (3840x2160)	None	IPS	600 nits	Anti-glare	16:9	1200:1	100% Adobe® RGB	85°/85°/85°/85°	Dolby Vision, DisplayHDR™ 400
15.6"	UHD (3840x2160)	Multi-touch	OLED	SDR 400nits / HDR 500nits (peak)	Anti-reflection Anti-smudge	16:9	100000:1	100% DCI-P3	85°/85°/85°/85°	Dolby Vision, DisplayHDR True Black 500

#### Color Calibration

- X-Rite® factory color calibration (UHD display)
- No color calibration

#### Touchscreen

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

Notes:

[1] California Electronic Waste Recycling Fee

In California USA, 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, please 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
- No pen (purchase separately)
- No support (non-touch display doesn't support pen input)

### 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)<sup>[1]</sup>**

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

Models	Weight
Non-touch models	Starting at 2.87 kg (6.32 lbs)
Touch models	Starting at 3.07 kg (6.75 lbs)

**Case Color**

Black

**Case Material**

PPS / 50% GF (top), PA / 50% GF (bottom)

Notes:

<sup>[1]</sup> The system dimensions may vary depending on configurations.<sup>[2]</sup> The system weight is approximate and based on results in Lenovo lab, which varies depending on the source of component, variance of the distribution of each component, and manufacturing process. It may not be the exact weight for each specific model.**CONNECTIVITY****Network****Ethernet\*\***

- 2.5GbE, Intel Ethernet Connection I225-LM (vPro® models), 1x RJ-45, supports Wake-on-LAN
- 2.5GbE, Intel Ethernet Connection I225-V (non-vPro models), 1x RJ-45, supports Wake-on-LAN

**WLAN + Bluetooth<sup>[1]</sup>**

- Intel Wi-Fi® 6E AX210, 802.11ax 2x2 Wi-Fi + Bluetooth 5.1 (Bluetooth 5.3 hardware ready)
- No WLAN and Bluetooth

**WWAN\*\***

- Wireless WAN upgradable to 4G (with antenna ready)
- Quectel EM160R, 4G LTE CAT16, MIMO 4x4, M.2 card, with embedded eSIM functionality
- No support

**SIM Card**

No SIM card inbox

**NFC**

No support

Notes:

<sup>[1]</sup> Bluetooth 5.3 is hardware ready but may run at a lower version due to OS limitations.**Ports<sup>[1]</sup>****Standard Ports<sup>[2]</sup>**

- 2x USB 3.2 Gen 1 (one Always On)
- 1x USB-C 3.2 Gen 2 (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 2x Thunderbolt 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort 1.4a)
- 1x HDMI 2.1, up to 8K/60Hz

# ThinkPad T15g Gen 2

- 1x SD card reader
- 1x Ethernet (2.5GbE RJ-45)
- 1x Headphone / microphone combo jack (3.5mm)

## Optional Ports\*\*\*

- 1x Smart card reader
- 1x Nano-SIM card slot (WWAN support 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, 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;

USB4 20Gbps / USB 3.2 Gen 2x2 (SuperSpeed USB 20Gbps): 20 Gbit/s;

USB4 40Gbps (USB 40Gbps): 40 Gbit/s;

Thunderbolt 3/4: 40 Gbit/s.

[2] Power Delivery only supports power-out for charging peripherals.

## Docking

### Docking

Various docking solutions supported via Thunderbolt or USB-C.

For more compatible docking solutions, please visit [Docking for ThinkPad® T15g Gen 2](#)

## Monitor Cable

### Monitor Cable\*\*\*

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

## SECURITY & PRIVACY

## Security

### Security Chip

Discrete TPM 2.0, TCG certified

### Physical Locks

Kensington® Security Slot™, 3 x 7 mm

### Smart Card Reader

- 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
- Self-healing BIOS

### Other Security

- (Optional) Camera privacy shutter
- (Optional) IR camera for Windows Hello

## MANAGEABILITY

## System Management

### System Management<sup>[1]</sup>

- Intel vPro

- Non-vPro

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**Notes:**

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

## SERVICE

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

#### Base Warranty\*\*

- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 1-year limited onsite service
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service
- No base warranty

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**Notes:**

[1] The warranty upgrades may be bundled with some models, please check the "Included upgrade" column in the specific model's configurations. For more service extensions, please go to <https://smartfind.lenovo.com/>. To learn more details of warranty policy, please access <https://pcsupport.lenovo.com/warranty>.

## ENVIRONMENTAL

### Operating Environment

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

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

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**Notes:**

[1] When you charge the battery, its temperature must be no lower than 10°C (50°F).

## CERTIFICATIONS

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

#### Green Certifications<sup>[2]</sup>

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

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**Notes:**

[1] The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration.

[2] EPEAT is registered where applicable, please see <https://www.epeat.net> for registration status by country.

### Other Certifications

#### Mil-Spec Test

MIL-STD-810H military test passed

### ISV Certifications

#### ISV Certifications

Please visit [www.thinkworkstations.com/isv-certifications/](http://www.thinkworkstations.com/isv-certifications/)

- Feature with \*\* means that only one offering listed under the feature is configured on selected models.
- Feature with \*\*\* means that one or more offerings listed under the feature could be configured on selected models.
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