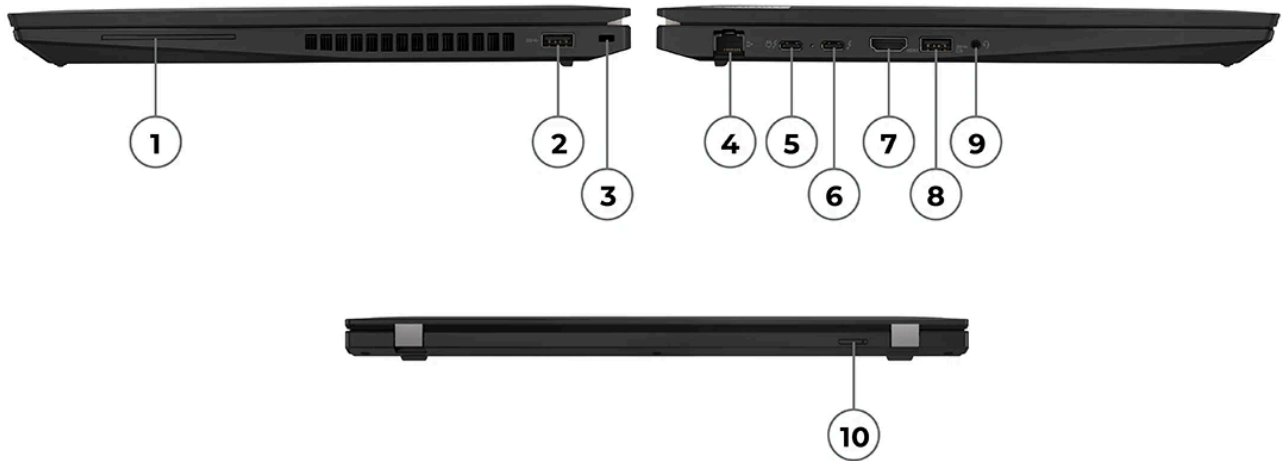


## OVERVIEW



1. Smart card reader *	6. Thunderbolt 4
2. USB 3.2 Gen 1	7. HDMI
3. Kensington Nano Security Slot	8. USB 3.2 Gen 1 (Always On)
4. Ethernet (RJ-45)	9. Headphone / microphone combo jack (3.5mm)
5. Thunderbolt 4	10. Nano-SIM card slot *

Notes:

- Items with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

13th Generation Intel® U or P Series Core™ i5 / i7 Processor

#### Processor\*\*<sup>[1]</sup>

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics
Core i5-1335U	10 (2 P-core + 8 E-core)	12	P-core 1.3GHz / E-core 0.9GHz	P-core 4.6GHz / E-core 3.4GHz	12MB	Intel Iris® Xe Graphics
Core i5-1340P	12 (4 P-core + 8 E-core)	16	P-core 1.9GHz / E-core 1.4GHz	P-core 4.6GHz / E-core 3.4GHz	12MB	Intel Iris Xe Graphics
Core i5-1345U	10 (2 P-core + 8 E-core)	12	P-core 1.6GHz / E-core 1.2GHz	P-core 4.7GHz / E-core 3.5GHz	12MB	Intel Iris Xe Graphics
Core i5-1350P	12 (4 P-core + 8 E-core)	16	P-core 1.9GHz / E-core 1.4GHz	P-core 4.7GHz / E-core 3.5GHz	12MB	Intel Iris Xe Graphics
Core i7-1355U	10 (2 P-core + 8 E-core)	12	P-core 1.7GHz / E-core 1.2GHz	P-core 5.0GHz / E-core 3.7GHz	12MB	Intel Iris Xe Graphics
Core i7-1360P	12 (4 P-core + 8 E-core)	16	P-core 2.2GHz / E-core 1.6GHz	P-core 5.0GHz / E-core 3.7GHz	18MB	Intel Iris Xe Graphics
Core i7-1365U	10 (2 P-core + 8 E-core)	12	P-core 1.8GHz / E-core 1.3GHz	P-core 5.2GHz / E-core 3.9GHz	12MB	Intel Iris Xe Graphics
Core i7-1370P	14 (6 P-core + 8 E-core)	20	P-core 1.9GHz / E-core 1.4GHz	P-core 5.2GHz / E-core 3.9GHz	24MB	Intel Iris Xe Graphics

Notes:

<sup>[1]</sup> Intel Iris Xe Graphics capability requires system to be configured with dual-channel memory. On the system with single-channel memory, Intel Iris Xe Graphics will function as Intel UHD Graphics.  
Intel P series processors are for special bid only.

### Operating System

#### Operating System\*\*

- Linux<sup>[1]</sup>
- Ubuntu Linux<sup>[2]</sup>
- Windows® 10 IoT Enterprise LTSC 2021<sup>[3]</sup>
- Windows 11 DG Windows 10 Pro 64
- Windows 11 Home
- Windows 11 Home Single Language
- Windows 11 Pro
- No operating system

Notes:

<sup>[1]</sup>, <sup>[2]</sup> Some features may not be supported on the system with Linux preload, including but not limited to Intel RST RAID, MIPI computer vision camera, WWAN, Human Presence Detection, etc.

<sup>[3]</sup> Windows 10 IoT Enterprise LTSC 2021 is for special bid only.

### Graphics

#### Graphics\*\*

Graphics	Type	Memory	Key Features
Intel Iris Xe Graphics <sup>[1]</sup>	Integrated	Shared	DirectX® 12.1
NVIDIA® GeForce MX550 <sup>[2]</sup>	Discrete	4GB GDDR6	DirectX 12

Notes:

<sup>[1]</sup> Intel Iris Xe Graphics capability requires system to be configured with dual-channel memory. On the system with single-

channel memory, Intel Iris Xe Graphics will function as Intel UHD Graphics.

[2] Discrete graphics is available only with Intel P series processors.

## Monitor Support

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

Supports up to 4 independent displays (native display and 3 external monitors via Thunderbolt™ and HDMI®)

- Thunderbolt supports up to 5K@60Hz
- HDMI supports up to 4K@60Hz

Notes:

[1] Refresh rates >60hz also supported, however max resolution will be limited.

## Chipset

### Chipset

Intel SoC (System on Chip) platform

## Memory

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

- Models with DDR4 memory: up to 40GB (8GB soldered + 32GB SO-DIMM) DDR4-3200
- Models with DDR5 memory: up to 32GB (16GB soldered + 16GB SO-DIMM) DDR5-5200
- Models with 16GB LPDDR5x: 16GB soldered memory, not upgradable
- Models with 32GB LPDDR5x: 32GB soldered memory, not upgradable

### Memory Slots\*\*

- Models with DDR4 memory: one memory soldered to systemboard, one DDR4 SO-DIMM slot, dual-channel capable
- Models with DDR5 memory: one memory soldered to systemboard, one DDR5 SO-DIMM slot, dual-channel capable
- Models with LPDDR5x memory: memory soldered to systemboard, no slots, dual-channel

### Memory Type\*\*

- DDR4-3200 (models with integrated graphics)
- DDR5-5200 (models with integrated graphics)<sup>[2]</sup>
- LPDDR5x-4800 (models with discrete graphics)<sup>[3]</sup>

Notes:

[1] The max memory is based on the test results with current Lenovo® memory offerings.

[2] Installed DDR5 memory is actually 5600MHz but run at 5200MHz due to platform limitation.

[3] Installed LPDDR5x memory is actually 7500MHz but run at 4800MHz due to platform limitation.

## Storage

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

One drive, up to 2TB M.2 2280 SSD

### Storage Slot

One M.2 2280 PCIe® 4.0 x4 slot

### Storage Type\*\*

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

Notes:

[1] The storage capacity supported is based on the test results with current Lenovo storage offerings.

## Removable Storage

### Card Reader

No card reader

## Multi-Media

### Audio Chip

# ThinkPad T16 Gen 2 (Intel)

High Definition (HD) Audio, Realtek® ALC3287 codec

## Speakers

Stereo speakers, 2W x2, Dolby® Audio™

## Microphone

- Dual-microphone array, 360° far-field, Dolby Voice
- No microphone<sup>[1]</sup>

## Camera\*\*

- 5.0MP + IR discrete, with privacy shutter, fixed focus
- FHD 1080p + IR hybrid, with privacy shutter, fixed focus
- HD 720p, with privacy shutter, fixed focus
- No camera<sup>[2]</sup>

Notes:

[1] No microphone is for special bid only.

[2] No camera is for special bid only.

## Battery

### Battery\*\*

- Integrated Li-Polymer 52.5Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W or 135W AC adapter
- Integrated Li-Polymer 86Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 135W AC adapter

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

Configuration 1 (max battery life)

MobileMark® 25: up to 10.0 hr @250nits

JEITA 2.0: up to 18.5 hr @150nits

Local video playback: up to 16.9 hr @150nits

Alternate configuration 2

MobileMark 25: up to 9.2 hr @250nits

JEITA 2.0: up to 19.5 hr @150nits

Local video playback: up to 17.1 hr @150nits

Alternate configuration 3

MobileMark 25: up to 7.0 hr @250nits

JEITA 2.0: up to 13.0 hr @150nits

Local video playback: up to 12.3 hr @150nits

Notes:

[1] Configuration 1 (max battery life): WUXGA (non-touch), Intel i5-1340P, 16GB soldered DDR5, Win 11, 52.5Wh battery, best power efficiency power mode

Alternate configuration 2: WUXGA low power (non-touch), Intel i5-1335U, 16GB soldered DDR5, Win 11, 52.5Wh battery, best power efficiency power mode

Alternate configuration 3: WUXGA (touch), Intel i5-1350P, 16GB soldered DDR5, Win 11, 52.5Wh battery, best power efficiency power mode

All battery life claims are approximate maximum and based on results using [MobileMark 25](#), JEITA 2.0, continuous 1080p local video playback (using default Media Player in Fullscreen mode 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, software, wireless functionality, power management settings, and screen brightness.

The maximum capacity of the battery will decrease with time, ambient temperature and use.

Refer to [Microsoft® link](#) for more information about the Windows Performance power slider.

## Power Adapter

### Power Adapter\*\*<sup>[1]</sup>

- 45W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 45W USB-C (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C slim (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz

# ThinkPad T16 Gen 2 (Intel)

- 135W USB-C slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- No power adapter<sup>[2]</sup>

Notes:

[1] AC adapter offerings depend on the country.

[2] No power adapter is for special bid only.

## DESIGN

### Display

#### Display\*\*

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle (L/R/U/D)	Key Features
16"	WUXGA (1920x1200)	None	IPS <sup>[1]</sup>	300nits	Anti-glare	16:10	800:1	45% NTSC	85°/85°/85°/85°	-
16"	WUXGA (1920x1200)	Multi-touch	IPS <sup>[2]</sup>	300nits	Anti-glare	16:10	800:1	45% NTSC	85°/85°/85°/85°	-
16"	WUXGA (1920x1200)	None	IPS <sup>[3]</sup>	400nits	Anti-glare	16:10	1000:1	100% sRGB	85°/85°/85°/85°	Low power, Eyesafe <sup>®</sup> Certified 2.0
16"	WUXGA (1920x1200)	Multi-touch	IPS <sup>[4]</sup>	500nits	Anti-glare	16:10	1000:1	100% sRGB	85°/85°/85°/85°	ThinkPad <sup>®</sup> Privacy Guard
16"	WQUXGA (3840x2400)	None	OLED	400nits	Anti-reflection, anti-smudge	16:10	100,000:1	100% DCI-P3	87.5°/87.5°/87.5°/87.5°	DisplayHDR <sup>™</sup> True Black 500, Dolby Vision <sup>™</sup> , Eyesafe Certified 2.0

#### Touchscreen

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

Notes:

[1], [2], [3], [4] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

### Input Device

#### Keyboard

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

#### Keyboard Backlight

- LED backlight
- Non-backlight

#### UltraNav<sup>™</sup>

TrackPoint<sup>®</sup> pointing device and glass-like Mylar<sup>®</sup> surface multi-touch touchpad, 67.7 x 115 mm (2.67 x 4.53 inches)

### Mechanical

#### Dimensions (WxDxH)<sup>[1]</sup>

Models	Dimensions
Integrated graphics models	361.9 x 255.5 x 20.5 mm (14.25 x 10.06 x 0.81 inches)
Discrete graphics models	361.9 x 255.5 x 21.1 mm (14.25 x 10.06 x 0.83 inches)

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

Models	Weight
Models with thunder black cover and integrated graphics	Starting at 1.68 kg (3.70 lbs)

Models with storm grey cover and integrated graphics	Starting at 1.71 kg (3.75 lbs)
Models with discrete graphics	Starting at 1.74 kg (3.84 lbs)

**Case Color\*\***

- Storm grey
- Thunder black

**Case Material\*\***

- Storm grey models: aluminium (top), aluminium (bottom)
- Thunder black models: carbon fiber hybrid (top), PPS (bottom)

## Notes:

[1] The system dimensions may vary depending on configurations.

[2] 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\*\***

- Gigabit Ethernet, Intel Ethernet Connection I219-LM (vPro® models), 1x RJ-45, supports Wake-on-LAN
- Gigabit Ethernet, Intel Ethernet Connection I219-V (non-vPro models), 1x RJ-45, supports Wake-on-LAN

**WLAN + Bluetooth®\*\*[1]**

- Qualcomm® Wi-Fi® 6E NFA725A, 802.11ax 2x2 Wi-Fi + Bluetooth 5.3
- Intel Wi-Fi 6E AX211, 802.11ax 2x2 Wi-Fi + Bluetooth 5.3

**WWAN\*\***

- Wireless WAN upgradable to 4G (with antenna ready)
- Quectel EM05-G, 4G LTE CAT4, M.2 card, with embedded eSIM functionality
- Fibocom L860-GL-16, 4G LTE CAT16, M.2 card, with embedded eSIM functionality
- No support

**SIM Card**

No physical SIM card inbox

**NFC**

- Near Field Communication
- No support

## Notes:

[1] Wi-Fi 6E full features might be limited by country-level restrictions.

Wi-Fi 6E is only enabled on Windows 11 and operates as Wi-Fi 6 with Windows 10.

6GHz Wi-Fi 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi 6E, and the regional regulatory certifications & spectrum allocation.

Bluetooth 5.3 operation requires Windows 11. For more information please see [General Bluetooth Support Information on Microsoft](#).

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

**Standard Ports**

- 1x USB 3.2 Gen 1
- 1x USB 3.2 Gen 1 (Always On)
- 2x Thunderbolt 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 1x HDMI 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (RJ-45)

**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.

## Docking

### Docking

Various docking solutions supported via Thunderbolt / USB-C.

For more compatible docking solutions, please visit [Docking for ThinkPad T16 Gen 2 \(Intel\)](#)

## 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, FIPS 140-2 certified

#### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

#### Smart Card Reader

- Smart card reader
- No smart card reader

#### Fingerprint Reader

- Touch style fingerprint reader integrated in power button, match-on-chip
- No fingerprint reader

#### BIOS Security

- Power-on password
- Supervisor password
- System management password
- NVMe password
- FIDO (Fast Identity Online) authentication
- Certificate based BIOS authentication
- Self-healing BIOS

#### Other Security

- (Optional) Camera privacy shutter
- (Optional) IR camera for Windows Hello
- (Optional) Privacy Guard with Privacy Alert
- Glance by Mirametrix®
- Ultrasonic Human Presence Detection (IR camera models)

## MANAGEABILITY

### System Management

#### System Management\*\*

- Intel vPro Enterprise<sup>[1]</sup>
- Intel vPro Essentials<sup>[2]</sup>

- Non-vPro

Notes:

[1], [2] Intel vPro offers a superset of DASH's defined capabilities.

## SERVICE

### Warranty

#### 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

## ENVIRONMENTAL

### Sustainability

#### Material

50% recycled aluminium on storm grey top cover  
55% recycled aluminium on storm grey bottom cover  
90% recycled magnesium on keyboard cover  
95% PCC recycled plastic used in speaker enclosure  
97% PCC recycled plastic used in the 52.5Wh and 86Wh battery  
90% PCC recycled plastic used in standard 45W, 65W and 135W adapters  
Low-temperature solder  
Standard packaging: 90% plastic free packaging  
Bulk packaging: 90% recycled and FSC certified content

### 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)

Notes:

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

## ACCESSORIES

### Bundled Accessories

#### Bundled Accessories<sup>[1]</sup>

- Lenovo USB-C to Ethernet Adapter (1Gbps)
- None

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad T16 Gen 2 \(Intel\)](#).

## CERTIFICATIONS



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

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

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- ErP Lot 6/26
- RoHS compliant
- TCO Certified 9.0

#### Notes:

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

[2] EPEAT registration and ENERGY STAR certification are dependent on system OS. Please visit [epeat.net](http://epeat.net) and [energystar.gov](http://energystar.gov) for more information.

[3] EPEAT is registered where applicable, please see [epeat.net](http://epeat.net) for registration status by country.

## Other Certifications

### Mil-Spec Test

MIL-STD-810H military test passed

### Other Certifications

(Optional) Eyesafe Certified 2.0

- 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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