

# ThinkPad T16 Gen 1 (Intel)

This new ThinkPad comes with comprehensive security and other modern features that help users stay productive from anywhere. It is powered by the 12th Generation Intel Core Processors with up to 20 cores for fluid performance when working on heavy-duty applications. The expansive 16" anti-glare display with onboard Intel Iris Xe Graphics and discrete NVIDIA GeForce renders lifelike visuals – ideal for designing or viewing content. Comprehensive security solutions provide layers of defenses against even sophisticated security threats.



## Redefining possibilities with powerful performance and groundbreaking on-device AI

ThinkPad T series laptops offer professional-grade durability, powerful performance with good processors, ample memory, and fast SSD storage. They feature robust security features and long battery life for productivity on-the-go.

Equipped with a slew of ports, including 2x Thunderbolt 4 ports for transferring large files or huge data at lightning speed. Multitask seamlessly by connecting external monitors and other peripherals with onboard HDMI, 2x USB 3.2 Gen1, and a mechanical connector.

Optional IR camera for windows hello prevents shoulder surfing, while the optional camera shutter protects user privacy during calls or meetings. A Kensington lock slot helps to keep your device and data secure.

Available in multiple configuration options, this laptop combines powerful performance with the latest features like WiFi 6 technology.

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## Performance

### Processor

12th Gen Intel U or P Series Core i5 / i7

### Operating System\*

Windows 11 Pro  
 Windows 11 Home  
 Windows 11 Home Single Language  
 Windows 11 DG Windows 10 Pro 64  
 Windows 10 IoT Enterprise LTSC 2021  
 Linux  
 Ubuntu Linux

### Graphics<sup>1</sup>

Intel Iris Xe Graphics eligible (integrated)  
 NVIDIA GeForce MX550

<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.

### Memory<sup>2</sup>

Up to 40GB or 48GB DDR4-3200, 1x Soldered + 1x SO-DIMM

<sup>2</sup>The max memory is based on the test results with current Lenovo memory offerings.

### Storage<sup>3</sup>

Up to 1x 2TB M.2 2280 PCIe NVMe SSD

<sup>3</sup>The storage capacity supported is based on the test results with current Lenovo storage offerings.

### Audio\*

High Definition (HD) Audio  
 Stereo speakers, 2W x2, Dolby Audio  
 Dual-microphone array, far-field, Dolby Voice\*

### Camera\*

HD 720p, with privacy shutter  
 FHD 1080p, with privacy shutter  
 FHD 1080p + IR hybrid, with privacy shutter

### Battery<sup>4</sup>

52.5Wh or 86Wh battery, up to 10.1 hr, Rapid Charge

<sup>4</sup>Battery life claims are approximate maximum. Actual result will vary depending on many factors and the maximum battery capacity will decrease with time and use.

### Power Adapter\*

45W USB-C adapter, PD 3.0  
 65W USB-C adapter, PD 3.0  
 65W USB-C slim adapter, PD 3.0  
 135W USB-C slim adapter, PD 3.0

## Design

### Display<sup>5</sup>

16" WUXGA (1920x1200) IPS Anti-glare 16:10  
 - 300nits, 45% NTSC  
 - 300nits, 45% NTSC, touch  
 - 400nits, 100% sRGB, low power, Eyesafe  
 - 500nits, 100% sRGB, touch, ThinkPad Privacy Guard

16" WQXGA (2560x1600) IPS Anti-glare 16:10  
 - 400nits, 100% sRGB, Eyesafe

<sup>5</sup>IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

### Keyboard

6-row, spill-resistant, numeric keypad, optional backlight

### Touchpad

TrackPoint and glass-like Mylar surface touchpad  
 67.7 x 115 mm (2.67 x 4.53 inches)

### Dimensions<sup>6</sup>

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)

<sup>6</sup>The system dimensions may vary depending on configurations.

### Weight<sup>7</sup>

Starting at 1.769 kg (3.9 lbs)

<sup>7</sup>The system weight is approximate and may vary depending on configurations

### Color

Storm grey  
 Thunder black

### Case material

Aluminium or PC + 20% CF + 50% GF (top), PPS (bottom)

## Connectivity

### Ethernet\*

Gigabit onboard Ethernet

### WLAN + Bluetooth\*<sup>8 9</sup>

802.11ax (Wi-Fi 6E), Bluetooth 5.1  
 Up to Intel Wi-Fi 6E AX211, Bluetooth 5.1

<sup>8</sup>Bluetooth 5.2 is hardware ready but may run at a lower version due to OS limitations.

<sup>9</sup>Wi-Fi 6E is only enabled on Windows 11 and operates as Wi-Fi 6 with Windows 10.

### WWAN\*

4G LTE CAT4  
 4G LTE CAT16

### NFC

Near Field Communication\*

### Ports

1x USB 3.2 Gen 1  
 1x USB 3.2 Gen 1 (Always On)  
 2x Thunderbolt 4 / USB4 40Gbps (data, PD 3.0, DP 1.4)  
 1x HDMI 2.1, up to 4K/60Hz  
 1x Ethernet (RJ-45)  
 1x Headphone / microphone combo jack (3.5mm)  
 1x Smart card reader\*  
 1x Nano-SIM card slot (WWAN support models)\*

### Docking

Docking support via Thunderbolt or USB-C

## Security & Privacy

### Security

Discrete TPM 2.0  
 Kensington Nano Security Slot  
 Smart card reader, supports ISO 7816 and EMV\*  
 Touch style MOC fingerprint reader\*  
 Camera privacy shutter\*  
 IR camera for Windows Hello (facial recognition)\*  
 Privacy Guard with Privacy Alert\*  
 Human Presence Detection (software)  
 Glance by Mirametrix

## Manageability

### System Management\*<sup>10</sup>

Intel vPro Enterprise\*

<sup>10</sup>Intel vPro offers a superset of DASH's defined capabilities.

## Certifications

### Green Certifications<sup>11 12 13</sup>

ENERGY STAR 8.0  
 EPEAT Gold Registered  
 ErP Lot 3  
 TCO Certified 9.0  
 RoHS compliant

<sup>11</sup>The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration.

<sup>12</sup>EPEAT registration and ENERGY STAR certification are dependent on system OS.

<sup>13</sup>EPEAT is registered where applicable, please see [epeat.net](http://epeat.net) for registration status by country.

### Other Certifications

Eyesafe Certified\*  
 MIL-STD-810H