

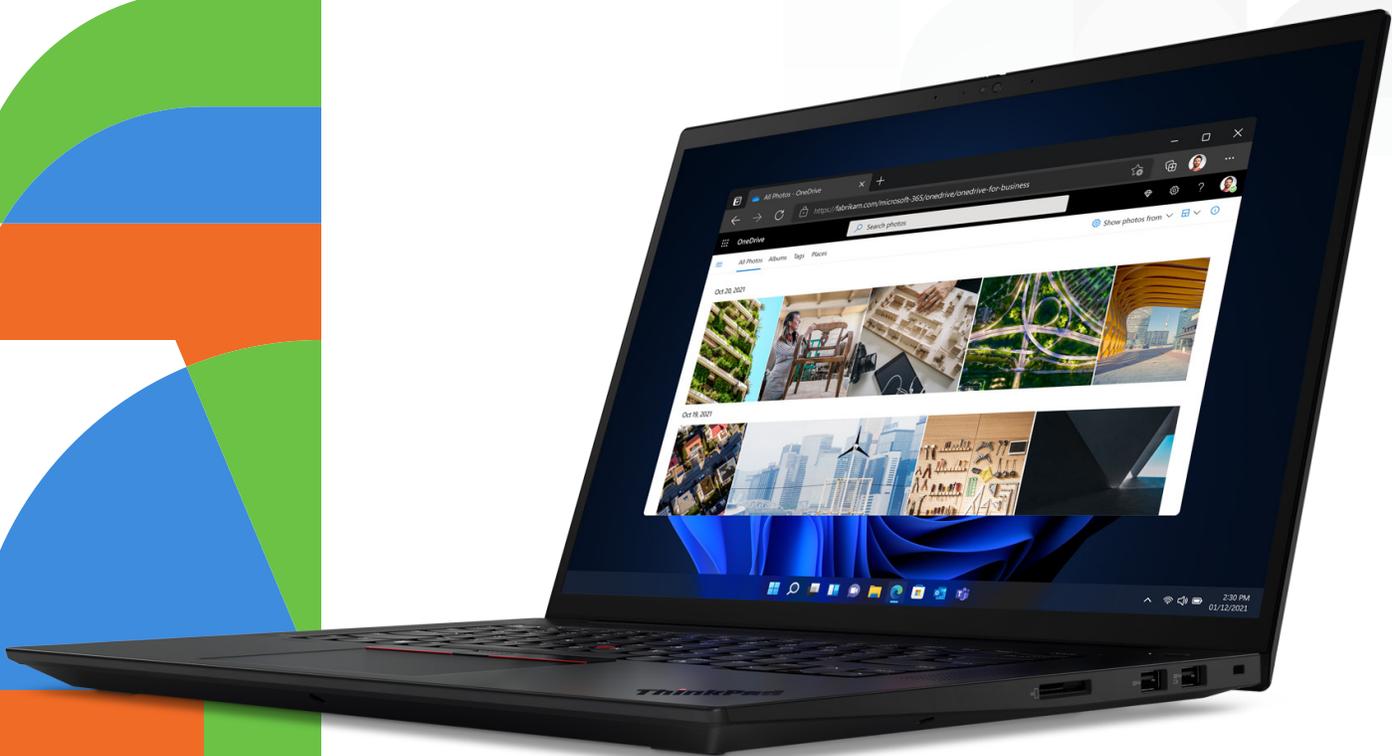
# ThinkPad X1 Extreme Gen 5

ThinkPad X1 Extreme Gen 5 helps creative thinkers and doers bring their ideas to life. Built to perform with up to Intel vPro® with 12<sup>th</sup> Gen Intel® Core i9 H series processors, refreshed NVIDIA® GeForce® RTX graphics, and up to 8TB of storage with Gen 4 performance PCIe SSD, this portable powerhouse also runs on the new Windows 11 Pro OS.

The stunning 16:10 16-inch display comes in touch and non-touch options, and resolutions of up to WQUXGA Touch and 165 Hz WQXGA. Dolby Vision™ and user-facing Dolby Atmos® speakers round out the impressive audio/visual experience that make this the device of choice for full-time creative professionals and part-time gamers alike.

ThinkPad X1 Extreme Gen 5 is designed for productivity from anywhere. The FHD camera boosts the videoconference experience for a crystal-clear meeting presence. Plus, a 90 Whr battery, along with lightning-fast 5G WWAN and Intel® Wi-Fi 6/6E<sup>1</sup> (Gig+) mobile connectivity, deliver untethered collaboration, creativity, and brilliance.

<sup>1</sup>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 and spectrum allocation.



Smarter  
technology  
for all

Lenovo

# ThinkPad X1 Extreme Gen 5



## MOBILE MASTERY

ThinkPad X1 Extreme Gen 5 delivers the most power in a sleek design. It makes light work of heavy graphics, whether photo and video editing, running CAD/automation, or gaming, with up to Intel vPro® 12<sup>th</sup> Gen Intel® Core™ i9 H series processors, faster DDR5 memory, and now up to 8TB of storage with dual Gen 4 performance PCIe SSDs. Accelerate inference performance with Intel® Deep Learning Boost to help speed up AI workloads, including image recognition, object detection, and other CPU-intensive tasks.



## RICH AUDIOVISUAL EXPERIENCE

The brilliant 16:10 16-inch display—now with up to a 165 Hz refresh rate—makes ThinkPad X1 Extreme Gen 5 ideal for curating content or getting your game on. Other features, such as Dolby Vision™, refreshed NVIDIA® GeForce® RTX graphics, and user-facing Dolby Atmos® Speakers, create an immersive experience like no other.



## EXCEPTIONAL ERGONOMICS

All-day productivity is no problem with Low Blue Light display options to minimize eye fatigue. The 115 mm wide TouchPad and backlit ThinkPad keyboard help ThinkPad X1 Extreme Gen 5 boost functional comfort as the ideas flow.



## REDEFINED DESIGN

From anti-fingerprint paint to a lightweight yet durable woven top cover with carbon fiber, ThinkPad X1 Extreme Gen 5 is designed to impress. Features, like the FHD camera, four-sided narrow bezel display, and carbon-fiber weave top cover, combine to inspire awe and awesomeness.



## sustainability

ThinkPad X1 Extreme Gen 5 uses PCC recycled material for the battery brackets, speaker enclosures, and AC adaptors, as well as sustainable bamboo and sugarcane fiber compostable packaging. By 2025, Lenovo aims to obtain 90% of electricity for global operations from renewable sources and remove one million tons of greenhouse gas emissions from the supply chain.

## connectivity

ThinkPad X1 Extreme Gen 5 delivers unbeatable mobile connectivity performance with 5G WWAN and Intel® WiFi 6/6E<sup>1</sup> (Gig+) capabilities.

## security

With integrated ThinkShield features, like the webcam shutter and Power-On Touch Fingerprint Reader, data stays secure in the modern hybrid work environment. Intel® Hardware Shield, available exclusively on all Intel vPro® platform-based devices, delivers integrated hardware-based PC protection for more secure business productivity.

<sup>1</sup>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 and spectrum allocation.

# ThinkPad X1 Extreme Gen 5

Lenovo offers a comprehensive portfolio of end-to-end services to support and protect your investment—so you can focus on the job at hand, not IT.

## Services



### PREMIER SUPPORT

Provides direct access to skilled and experienced Lenovo technicians offering comprehensive hardware and software support. Gives you a consistent point of contact within Lenovo to ensure that your case resolution is professionally managed from start to finish.



### CO<sub>2</sub> OFFSET SERVICE

As an option with the hardware purchase, the Lenovo CO<sub>2</sub> Offset Service gives customers a simple and transparent way to give back to the environment by helping them offset the carbon emissions associated with their Lenovo PC. With it, Lenovo has calculated the carbon emissions of its PCs across their lifecycle, from manufacture and shipment, all the way through usage and disposal. Carbon offset credits are later purchased based on the calculated emissions of the specific device, and Lenovo's carbon offset partner contributes them to one of several United Nations Climate Action projects.



### BULK PACKAGING SERVICE

Bulk Packaging is an environmental packaging solution designed for multiple product types. Each package contains multiples of one like-type product to minimize the amount of material used without jeopardizing the integrity of packaging necessary to protect product in shipping process.

## Accessories

### ThinkPad Thunderbolt 4 Dock

Enables 8K display or multiple 4K displays support, silent firmware upgrades, data transfer at lightning fast 40 Gbps, and Intel® vPro®/AMT pass-through support.



PN: 40B00135US

### ThinkPad X1 Presenter Mouse

Combo ergonomic mouse and virtual gyro laser presenter with highlight and magnify options. Pairs via dual-mode 2.4G wireless or Bluetooth® 5.0.



PN: 4Y50U45359

### ThinkPad X1 Active Noise Cancellation Headphones

Lightweight headphones that provide professional conferencing sound quality with ANC/ENC settings. Connect or charge via USB Type-C or Bluetooth® 5.0.



PN: 4XD0U47635



# ThinkPad X1 Extreme Gen 5

## performance

### PROCESSOR

Up to 12<sup>th</sup> Gen Intel® Core™ i9 vPro® processor H series

### OPERATING SYSTEM

Up to Windows 11 Pro or Ubuntu Linux  
Windows 10 Pro preinstalled through downgrade rights in Windows 11 Pro

### GRAPHICS

NVIDIA GeForce RTX-3050Ti 4GB GDDR6  
NVIDIA GeForce RTX-3060 8GB GDDR6  
NVIDIA GeForce RTX-3070Ti 8GB GDDR6  
NVIDIA GeForce RTX-3080Ti 16GB GDDR6

### CAMERA

FHD + IR camera with webcam shutter  
FHD camera with webcam shutter

### MEMORY

Up to 64GB DDR5 (4800MHz)  
2x SO-DIMM Slots

### STORAGE

Up to 8TB total  
2x M.2 PCIe Gen 4 performance SSD

### BATTERY

90 Whr

### AC ADAPTER

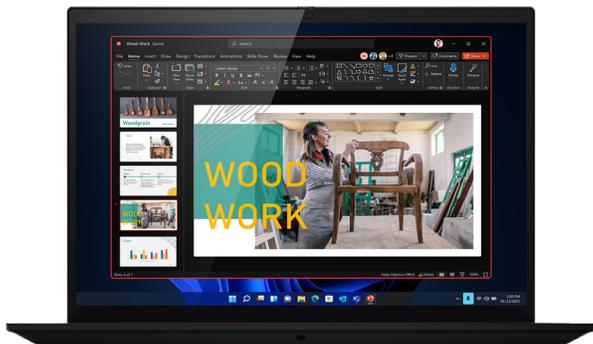
Slim Tip 135W (supports RapidCharge)  
Slim Tip 170W (supports RapidCharge)  
Slim Tip 230W (supports RapidCharge)

### AUDIO

Dolby® Atmos® Speaker System  
2x Far-field mics

## security

Power-On MoC Touch Fingerprint Reader  
FHD IR Hybrid Camera  
dTPM 2.0 chip  
Intel® Hardware Shield  
Webcam shutter  
Tile ready  
Nano Kensington™ lock slot  
Supports Intel® Remote Secure Erase



## connectivity

### INPUT/OUTPUT PORTS

2x USB-A 3.2 Gen 1  
2x Thunderbolt™ 4  
1x SD Card (SD Express 7.0)  
1x HDMI 2.1  
1x Audio (headphone and microphone combo jack)

### WIRELESS

Intel® Wi-Fi 6E (requires Windows 11 Pro)<sup>1</sup>  
5G sub-6 (CAT20)  
4G/LTE (CAT4) PRC only  
Bluetooth® 5.2

### NFC

Yes

### DOCKING

Thunderbolt™ 4 dock  
Thunderbolt™ 3 dock  
USB 3 dock

## design

### DISPLAY

16" display, 16:10 ratio  
WUXGA IPS AG Narrow Non-touch, 500nit, 100% sRGB, 165Hz, Low Blue Light  
WQXGA IPS AG Narrow Non-touch, 400nit, 100% sRGB  
WQUXGA IPS AG Non-touch, 600nit, 100% Adobe, HDR400, Dolby Vision, Low Blue Light  
WQUXGA IPS Touch AR/AS, 600nit, 100% Adobe, HDR400, Dolby Vision, Low Blue Light

### DIMENSIONS (W X D X H)

Starting at 359.5 x 253.8 x 17.9 mm / 14.13 x 9.99 x 0.78 in

### WEIGHT

Starting at 4.14 lbs/1.88 kg

### KEYBOARD

Bottom-load backlit keyboard with white LED, 1.5 mm stroke  
Wide TouchPad (115 x 62 mm)

### COLORS

Deep Black  
Top cover color: Black or Woven Carbon Fiber

## sustainability

### MATERIAL

30% PCC recycled plastic used in speaker enclosure  
30% PCC recycled plastic used in the 90 Whr battery  
Low-temperature solder  
90% recycled and/or sustainable packaging<sup>2</sup>

### CERTIFICATIONS

ENERGY STAR® certified  
EPEAT® Gold, registered in the U.S., Canada, and Germany  
TCO v9

<sup>1</sup>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 and spectrum allocation.

<sup>2</sup>Product packaging shall contain, on average, a minimum total percentage of 90% by weight of any combination of the following materials: Recycled content, biobased plastic, non-wood biobased fiber material, and/or sustainably forested material.

