



**BUSINESS DEVICES THAT ARE A CLASS APART**



The ultimate device for any mobile worker or executive, ThinkPad X1 Series combines the latest productivity and security technologies with sleek and lightweight designs.

## ThinkPad X1 Carbon Gen 8

Smarter  
technology  
for all

Lenovo

Designed with mobile workers in mind, our thinnest, lightest and first Intel Athena Certified device checks all the right boxes, and then some. The carbon-fibre and magnesium alloy body is resilient to everyday knocks and bumps. The 19-hour battery comfortably lasts all day, giving users the freedom to work when and where they want. And it's impressively fast – high-speed SSD storage, resumes from standby in an instant, dedicated keys to manage VoIP calls and modern connectivity ports including Thunderbolt 3.

### REASONS TO BUY

The Dolby Atmos speaker system delivers truly immersive sound, with 2x 2W and 2x 0.8W speakers built into the device. Choose the 4K Dolby Vision HDR display for exceptional contrast, brightness and colour depth, or the optional Privacy Guard screen to ensure privacy against shoulder surfers.

A suite of security features, including onboard TPM 2.0 chip, fingerprint sensor and optional IR camera for facial recognition, keep sensitive business data from falling into the wrong hands.

Minimal preloaded applications mean maximum battery life and responsiveness for users, and faster deployment for IT admins.



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# ThinkPad X1 Carbon Gen 8

## KEY SPECIFICATIONS

Processor	up to 10th Gen Intel Core i7 processor
Operating System	powered by Windows 10 Pro
Display	14.0" Dolby Vision HDR screen, 4K (3840x2160), WVA, 1500:1 contrast ratio, 90% gamut, 500 nits 14.0" screen, WQHD (2560x1440), WVA, 1000:1 contrast ratio, 72% gamut, 300 nits 14.0" PrivacyGuard screen, FHD (1920x1080), WVA, 1500:1 contrast ratio, 72% gamut, 500 nits (touch) 14.0" screen, FHD (1920x1080), WVA, 700:1 contrast ratio, 72% gamut, 400 nits (touch) 14.0" screen, FHD (1920x1080), WVA, 800:1 contrast ratio, 72% gamut, 400 nits
Touchscreen	touchscreen on PrivacyGuard or regular Full HD screen
Graphics	Intel UHD Graphics in processor
Memory	up to 16GB LPDDR3-2133
Storage	up to 2TB M.2 PCIe NVMe SSD optional Intel Optane 32GB memory integrated with SSD
Audio	4x speakers (2x woofer, 2x tweeter) with Dolby Atmos Audio speaker system 4x 360° far-field microphones
Battery†	up to 19.5hrs (51Whr)
Power Adapter	One of the following 45W USB-C 65W USB-C 65W USB-C Slim
Camera	One of the following 720p + IR with ThinkShutter 720p with ThinkShutter
Keyboard	spill-resistant, backlit, Unified Communication keys
Color	One of the following Black, Paint Black, Weave
Dimensions	From Width: 323mm (12.72") Depth: 217mm (8.54") Height: 14.9mm (0.59")
Weight	from 1.09kg (2.40lb)

## GREEN CERTIFICATIONS

EPEAT Gold, Energy Star 8.0

## OTHER CERTIFICATIONS

MIL-STD-810G military testing

## CONNECTIVITY

I/O Ports	2x USB3.1 Gen1 (1x Always On), 2x USB-C 3.1 Gen2/ Thunderbolt 3 (power delivery and DisplayPort), HDMI, ethernet extension connector, nano-SIM card slot (WWAN models only), audio combo jack, side docking connector, security keyhole
WLAN + Bluetooth	Intel AX201 11ax, 2x2 + BT5.0
WWAN	Optional
NFC	Optional
Docking	Compatible with Side Mechanical dock and USB 3.0 & USB-C docking solutions

## SECURITY & PRIVACY

Fingerprint Reader  
Discrete TPM 2.0  
IR Camera with Windows Hello  
ThinkPad PrivacyAlert  
ThinkPad PrivacyGuard screen  
ThinkShutter camera privacy cover  
Kensington lock slot

## MANAGEABILITY

Intel vPro (optional)

## Recommended for this device



### ThinkPad X1 Active Noise Cancellation Headphones

Ambient & electronic noise cancellation, integrated boom-less mic for calls

Bluetooth 5.0 connectivity with USB-C charging in under 3 hours

Lightweight 214g (0.47lbs) design with memory foam ear cups



### ThinkPad X1 Leather Sleeve

Thin design to complement ThinkPad X1 Carbon or Yoga

Black leather with soft-touch grey microfiber interior and magnetic closure

Convenient storage loop for pen or style and rear pocket for accessories

Information presented here may represent the maximum possible configurations for this product, but it does not necessarily reflect what is available in your region. Please ask your rep or check the specifications for specific Part Numbers in your region. † Based on testing with MobileMark 2014. Battery life varies significantly with settings, usage, and other factors. © 2020 Lenovo. Products are available while supplies last. Lenovo is not responsible for photographic or typographic errors. Lenovo, the Lenovo logo, ThinkPad, ThinkCentre, ThinkBook, ThinkStation and ThinkVision are trademarks or registered trademarks of Lenovo. 3rd party product and service names may be trademarks of others. Depending on factors such as the processing capability of peripheral devices, file attributes, system configuration and operating environments, the actual data transfer rate of USB connectors will vary and is typically slower than published standards.