



State of Michigan Laptop Comparison Guide

As of 04/22/2025

For the purposes of this document, we define a **laptop** as a device which has a permanently attached keyboard and screen that allows for portable use. (Please note: If you are looking for a more *ruggedized* device, please consult the **Rugged Device Standards** document.) This document provides guidance on the system units that are available in the laptop category in SIGMA.

We will be approving processor changes and increased storage on new orders without an Exception Request, unless it is determined that an image change would be required. Agencies may not purchase less than 256GB storage.

Accessories for laptops are at the end of the document.

NOTE: Numbers listed in this document (LXX) are SIGMA numbers.

How to decide which system unit is best for you

The decision will be based primarily on your business needs, but the following factors may help you decide on the device that is the best fit for you:

- If you are looking for a laptop with additional processing power and the option for multiple drives, select the Dell CAD/GIS/Technical laptop.
- Otherwise, select any model that suits your needs and tastes.

Dell Latitude 5450 (L247) - \$1160.00

Technical Specifications:

- Intel® Core™ Ultra 5 135H vPro
- 16 Gigabyte RAM (memory)
- 512 Gigabyte solid-state hard drive (storage)
- 14.0" FHD (1920x1080) Anti-Glare Touchscreen
- Backlit Keyboard
- FHD HDR+IR Camera
- Intel Wi-Fi 6E, AX211, 2x2 802.11ax, Bluetooth 5.3 Wireless Card
- 2 x Thunderbolt 4.0 USB-C w/Power Delivery & DisplayPort
- 1 x USB-A 3.2 Gen 1 with PowerShare
- 1 x USB-A 3.2 Gen 1
- 1 x HDMI 2.1
- 1 x RJ-45
- 1 x Wedge Lock Slot
- 1 x Universal Audio Jack
- 1 x SmartCard Reader
- Dimensions – 0.75" x 12.65" x 8.35"
- Weight – 3.09 lbs.
- 4-year, pro-support, KYHD warranty



Ports & Slots

1. Universal Audio Jack
2. USB-A 3.2 Gen1 with PowerShare
3. HDMI 2.1
4. Wedge Shaped Lock Slot

5. RJ-45
6. USB-A 3.2 Gen1
7. 2x Thunderbolt™ 4.0 USB-C with Power Delivery & DisplayPort
8. Nano-SIM Card Slot (optional)
9. Contacted SmartCard Reader (optional)

Dell Mobile Precision 7680 (L236) – \$3350.00

Technical Specifications:

- Intel i7-13850HX vPro Processor
- NVIDIA RTX 4000 Ada GPU 12GB GDDR6
- Weight: 5.90 lbs.
- Dimensions: 14.02" x 10.18" x 1.03"
- 1TB SSD
- 64GB system memory
- Screen: 16" (1920 x 1200) WLED, WVA, anti-glare, non-touch
- Intel AX211 Wi-Fi 6/6E 2x2 with Bluetooth wireless
- Camera: FHD/IR Camera, Intelligent privacy, camera shutter, mic
- Backlit keyboard with number pad
- 1x SD card reader
- 1x USB 3.2 Gen 2 Type-C port with DP-alt mode
- 1x USB 3.2 Type-A with PowerShare
- 1x RJ-45 10/100/1000
- 1x USB 3.2 Type-A
- 2x Thunderbolt 4/USB 4
- 1x HDMI 2.1
- 1x Wedge Lock Slot
- 4-year Next Business Day + KYHD (Keep Your Hard Drive)



Ports & Slots

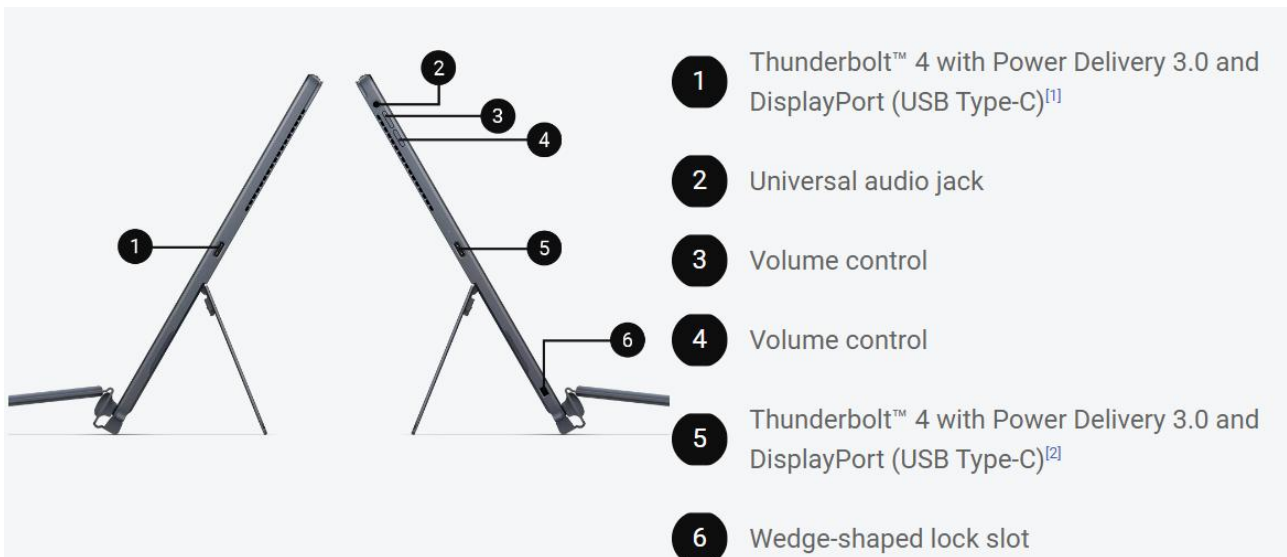
1. SD Reader
2. Universal audio jack
3. USB 3.2 Gen 2 Type-C port with DP-alt mode
4. USB 3.2 Type-A with PowerShare
5. Wedge lock slot

6. 7.4mm power connector
7. RJ-45 10/100/1000
8. HDMI 2.1
9. USB 3.2 Type-A
10. (2) Thunderbolt 4 / USB 4
11. Optional Smart Card Reader

Dell Latitude 7350 Detachable w/Cellular (L265) – \$1895.00

Technical Specifications:

- Intel Core Ultra 7 164U Integrated Intel® Graphics
- 32GB RAM
- 512GB SSD
- Screen: 13" (2880 x 1920), IPS, AR+AS
- Wi-Fi 7
- 5G Qualcomm Snapdragon eSIM, Verizon
- Latitude 7350 Detachable Collaboration Keyboard and Pen
- 1x Universal Audio Jack
- 2x Thunderbolt 4 with Power Delivery 3.0 & DisplayPort (USB Type-C)
- 1x Wedge Lock Slot
- Dimensions: 11.53" x 8.19" x 0.35"
- Weight: 1.76lbs
- 4-year Next Business Day + KYHD (Keep Your Hard Drive)



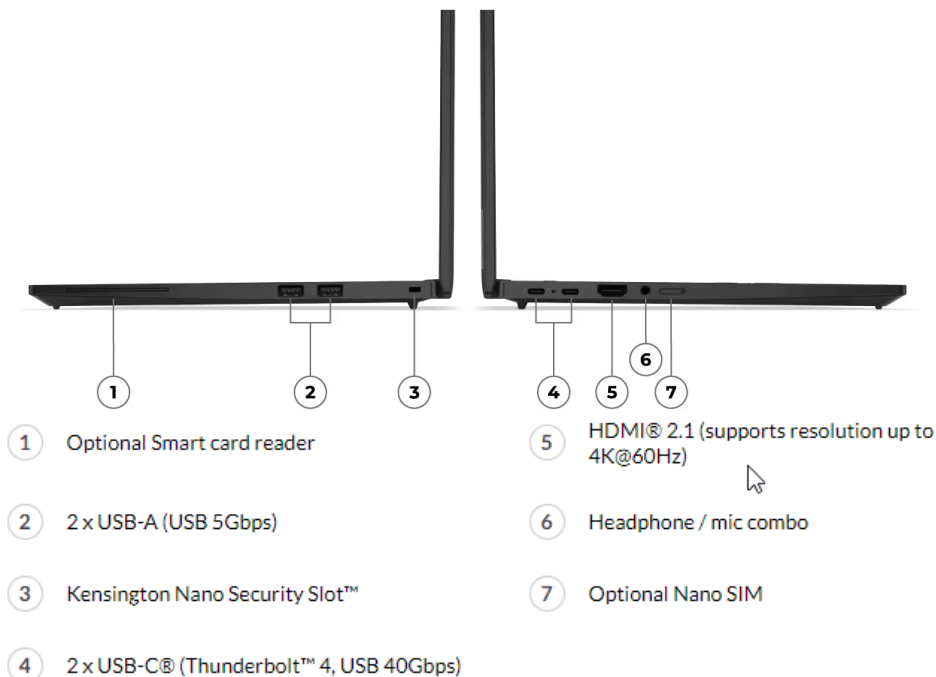
Lenovo ThinkPad T14s G5 (L261) – \$1379.00

Technical Specifications:

- Intel Core Ultra **5** 135U vPro Processor
- Dimensions: 12.3" x 8.6" x 0.67"
- Weight: 2.73 lbs
- 512GB SSD
- **16GB** system memory
- Integrated Intel Iris Xe Graphics
- Screen: 14" Anti-Glare, Touchscreen
- Resolution: 1920 x 1200
- Backlit keyboard
- Wireless LAN – Intel Wi-Fi 6E AX211 2x2 AX & Bluetooth 5.3
- WWAN
- Camera - 5MP RGB+IR with Microphone
- 2 x USB-C Thunderbolt 4, USB 40Gbps
- 2 x USB-A (USB 5 Gbps)
- 1 x HDMI 2.1
- 1 x Headphone/mic combo
- Kensington Nano Security Slot
- 4-year Next Business Day + KYHD (Keep Your Hard Drive)
- *****SMART CARD READER IS OPTIONAL – CUSTOM QUOTE REQUIRED**



Ports & Slots



Lenovo ThinkPad T16 G3 (L257) – \$1226.00 (Wi-Fi only, touchscreen)

Technical Specifications:

- Intel Core Ultra **5** 135H vPro Processor
- Dimensions: 14.2" x 9.87" x 0.77"
- Weight: 3.59lbs starting weight
- 512GB SSD
- **16GB** system memory
- 5MP RGB+IR with Microphone
- 16.0" Anti-glare, Touchscreen
- Resolution: 1920 x 1200
- Intel Wi-Fi 6E AX211 2x2 AX & Bluetooth 5.3
- Backlit Keyboard with number pad
- 2x USB-C Thunderbolt 4, USB 40Gbps
- 2x USB-A (USB 5 Gbps)
- 1x HDMI 2.1
- 1x RJ45
- 1x Headphone/mic combo
- 1x Kensington Nano Lock Slot
- 4-year Next Business Day + KYHD (Keep Your Hard Drive)
- *****SMART CARD READER IS OPTIONAL – CUSTOM QUOTE REQUIRED**



Ports & Slots



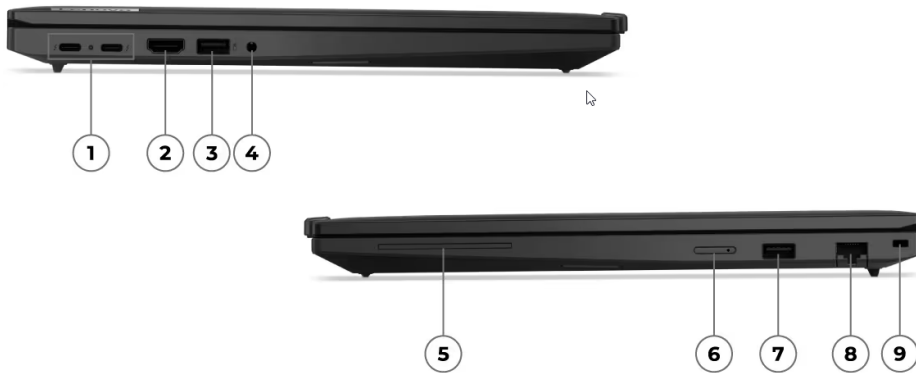
Lenovo ThinkPad T16 G3 (L258) – \$1292.00 (w/cellular, touchscreen)

Technical Specifications:

- Intel Core Ultra 5 135H vPro Processor
- Dimensions: 14.2" x 9.87" x 0.77"
- Weight: 3.59lbs starting weight
- 512GB SSD
- 16GB system memory
- 5MP RGB+IR with Microphone
- 16.0" Anti-glare, Touchscreen
- Resolution: 1920 x 1200
- Intel Wi-Fi 6E AX211 2x2 AX & Bluetooth 5.3
- Backlit Keyboard with number pad
- 2x USB-C Thunderbolt 4, USB 40Gbps
- 2x USB-A (USB 5 Gbps)
- 1x HDMI 2.1
- 1x RJ45
- 1x Headphone/mic combo
- 1x Kensington Nano Lock Slot
- 4-year Next Business Day + KYHD (Keep Your Hard Drive)
- ***SMART CARD READER IS OPTIONAL – CUSTOM QUOTE REQUIRED



Ports & Slots



- | | |
|---|----------------------------------|
| 1 2 x USB-C® (Thunderbolt™ 4, USB 40Gbps) | 6 Optional Nano SIM card reader |
| 2 HDMI 2.1 | 7 USB-A (USB 5Gbps) |
| 3 USB-A (USB 5Gbps) | 8 Ethernet (RJ45) |
| 4 Headphone / mic combo | 9 Kensington Nano Security Slot™ |
| 5 Optional Smart card reader | |

Lenovo ThinkPad T16 G3 (L259) – \$1480.00 (Wi-Fi only, touchscreen)

Technical Specifications:

- Intel Core Ultra 7 165H vPro Processor
- Dimensions: 14.2" x 9.87" x 0.77"
- Weight: 3.59lbs starting weight
- 512GB SSD
- 32GB system memory
- 5MP RGB+IR with Microphone
- 16.0" Anti-glare, Touchscreen
- Resolution: 1920 x 1200
- Intel Wi-Fi 6E AX211 2x2 AX & Bluetooth 5.3
- Backlit Keyboard with number pad
- 2x USB-C Thunderbolt 4, USB 40Gbps
- 2x USB-A (USB 5 Gbps)
- 1x HDMI 2.1
- 1x RJ45
- 1x Headphone/mic combo
- 1x Kensington Nano Lock Slot
- 4-year Next Business Day + KYHD (Keep Your Hard Drive)
- ***SMART CARD READER IS OPTIONAL – CUSTOM QUOTE REQUIRED



Ports & Slots



- | | |
|---|----------------------------------|
| ① 2 x USB-C® (Thunderbolt™ 4, USB 40Gbps) | ⑥ Optional Nano SIM card reader |
| ② HDMI 2.1 | ⑦ USB-A (USB 5Gbps) |
| ③ USB-A (USB 5Gbps) | ⑧ Ethernet (RJ45) |
| ④ Headphone / mic combo | ⑨ Kensington Nano Security Slot™ |
| ⑤ Optional Smart card reader | |

Lenovo ThinkPad T16 G3 (L260) – \$1547.00 (w/cellular, touchscreen)

Technical Specifications:

- Intel Core Ultra 7 165H vPro Processor
- Dimensions: 14.2" x 9.87" x 0.77"
- Weight: 3.59lbs starting weight
- 512GB SSD
- 32GB system memory
- 5MP RGB+IR with Microphone
- 16.0" Anti-glare, Touchscreen
- Resolution: 1920 x 1200
- Intel Wi-Fi 6E AX211 2x2 AX & Bluetooth 5.3
- Backlit Keyboard with number pad
- 2x USB-C Thunderbolt 4, USB 40Gbps
- 2x USB-A (USB 5 Gbps)
- 1x HDMI 2.1
- 1x RJ45
- 1x Headphone/mic combo
- 1x Kensington Nano Lock Slot
- 4-year Next Business Day + KYHD (Keep Your Hard Drive)
- ***SMART CARD READER IS OPTIONAL – CUSTOM QUOTE REQUIRED



Ports & Slots



- | | |
|---|----------------------------------|
| ① 2 x USB-C® (Thunderbolt™ 4, USB 40Gbps) | ⑥ Optional Nano SIM card reader |
| ② HDMI 2.1 | ⑦ USB-A (USB 5Gbps) |
| ③ USB-A (USB 5Gbps) | ⑧ Ethernet (RJ45) |
| ④ Headphone / mic combo | ⑨ Kensington Nano Security Slot™ |
| ⑤ Optional Smart card reader | |

Lenovo ThinkPad X1 2-in-1 G9 (L262) – \$1947.00

Technical Specifications:

- Intel Core Ultra 7 164U vPro Processor
- Dimensions: 12.31" x 8.57" x 0.61"
- Weight: 2.94 lbs. starting weight
- 512GB SSD
- 32GB system memory
- Screen: 14" Anti-Glare, Touchscreen
- Resolution: 1920 x 1200
- Camera 1080P FHD IR/RGB & Microphone
- Wireless LAN Intel Wi-Fi 6E AX211 2x2 AX vPro & Bluetooth 5.1 or above
- Backlit keyboard
- 2x USB-C (Thunderbolt 4, USB 40Gbps)
- 1x USB-A (USB 5Gbps, always on)
- 1x HDMI 2.1
- 1x USB-A (USB 5Gbps)
- 1x Headphone/mic combo
- 1x Kensington Lock Slot
- Lenovo Slim Pen
- 4-year Next Business Day + KYHD (Keep Your Hard Drive)



Ports & Slots



- | | |
|--|----------------------------------|
| ① USB-A (USB 5Gbps, always on) | ⑤ Headphone / mic combo |
| ② 2x USB-C® (Thunderbolt™ 4, USB 40Gbps) | ⑥ USB-A (USB 5Gbps) |
| ③ Optional nano SIM slot | ⑦ HDMI 2.1 |
| ④ Power button | ⑧ Kensington Nano Security Slot™ |

Lenovo ThinkPad X12 Detachable G2 (L263) – \$1804.00

Technical Specifications:

- Intel Core Ultra **7** 164U vPro Processor
- Dimensions: 11.15" x 8.01" x 0.34"
- Weight: 1.67 lbs.
- 512GB SSD
- **32GB** system memory
- 12.3"FHD+ (1920 x 1080), IPS, Anti-Glare, Touch, Corning Gorilla Glass 3
- Wireless LAN Intel Wi-Fi 6E AX211 2x2 AX vPro & Bluetooth 5.3
- Camera: Front camera 5MP IR/RGB Hybrid, Fixed Focus. Rear camera 8MP R
- Backlit keyboard
- 1x USB-C Thunderbolt 4, with power delivery & DisplayPort 2.1
- 1x USB-C (USB 10Gbps), with PD & DP 2.1
- 1x Headphone/mic combo
- 1x Kensington Lock Slot
- Digital Pen
- 4-year Next Business Day + KYHD (Keep Your Hard Drive)



- | | |
|----------------------------------|--|
| 1 Power button | 5 USB-C® (Thunderbolt™ 4), with power delivery & DisplayPort 2.1 |
| 2 Volume toggle | 6 Optional Nano SIM |
| 3 Kensington Nano Security Slot™ | 7 USB-C® (USB 10Gbps), with PD & DP 2.1 |
| 4 Headphone / mic combo | |

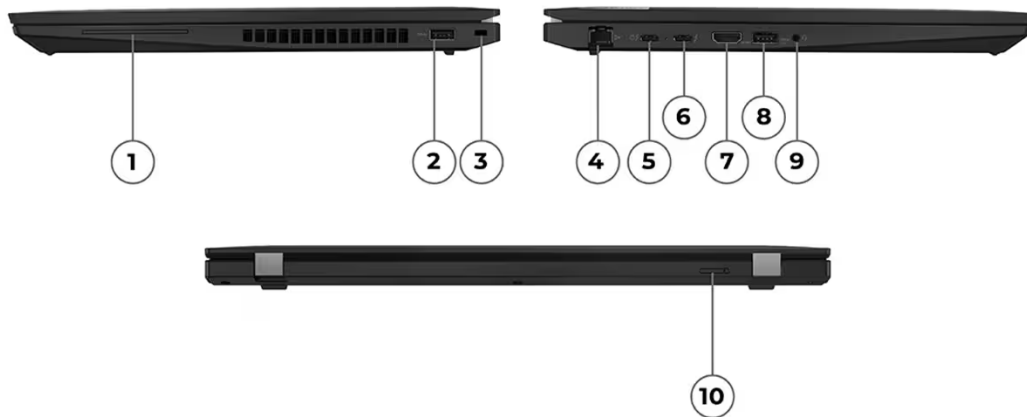
Lenovo Notebook ThinkPad X1 Carbon G12 (L264) – \$1889.00

Technical Specifications:

- Intel Core Ultra 7 165U vPro Processor
- Dimensions: 14.24" x 10.06" x 0.81"
- Weight: 3.76 lbs.
- 512GB SSD
- 32GB system memory
- 14"FHD+ (1920 x 1280), IPS, Anti-Glare, Touch
- Intel Wi-Fi 6E AX211 802.11 AX 2x2 vPro & Bluetooth 5.3
- Camera: 1080P FHD RGB+IR
- Backlit keyboard
- 1x USB-A 3.2 Gen 1
- 1x USB-C Thunderbolt 4 (power in)
- 1x USB-C Thunderbolt 4
- 1x HDMI 2.1
- 1x USB-A 3.2 Gen 1 (always on)
- 1x RJ45
- 1x Headphone/mic combo
- 1x Kensington Lock Slot
- 4-year Next Business Day + KYHD (Keep Your Hard Drive)
- ***SMART CARD READER IS OPTIONAL – CUSTOM QUOTE REQUIRED



Ports & Slots



- | | |
|-----------------------------------|-------------------------------|
| ① Optional smart card slot | ⑥ USB-C Thunderbolt™ 4 |
| ② USB-A 3.2 Gen 1 | ⑦ HDMI 2.1 |
| ③ Kensington Nano Security Slot™ | ⑧ USB-A 3.2 Gen 1 (always on) |
| ④ Ethernet (RJ45) | ⑨ Headphone / mic combo |
| ⑤ USB-C Thunderbolt™ 4 (power in) | ⑩ Optional nano-SIM card slot |

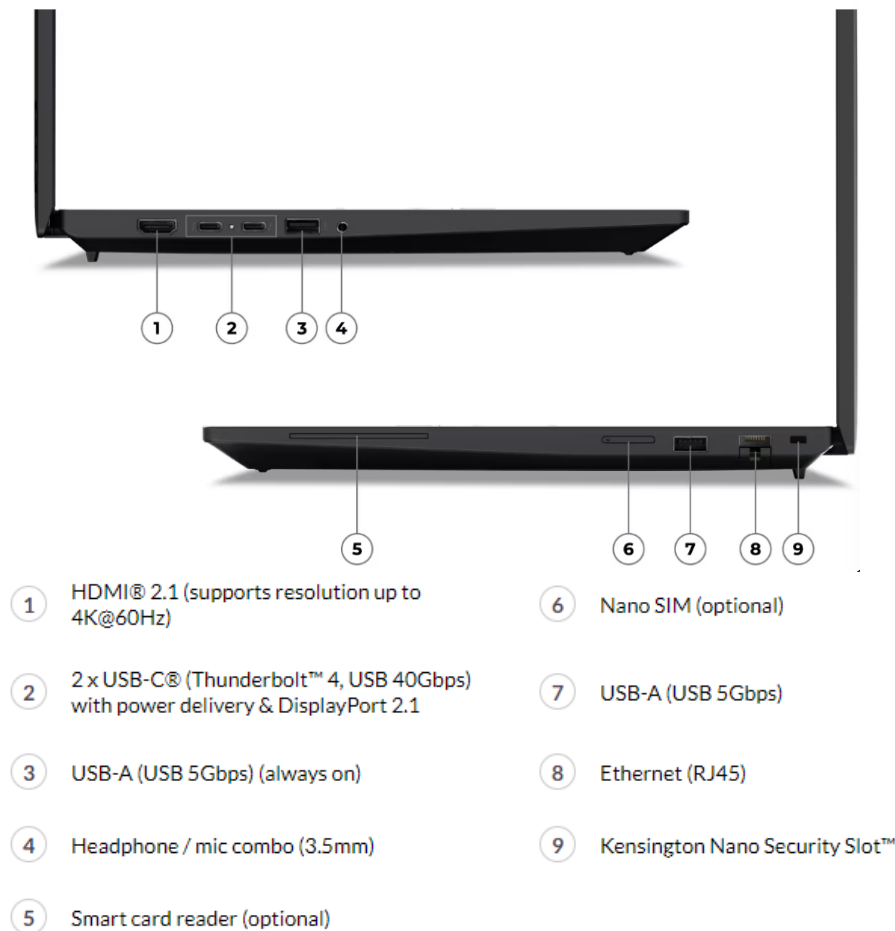
Lenovo ThinkPad P16s Gen 3 (L271) – \$1946.76

Technical Specifications:

- Intel Core Ultra 7 165H vPro Processor
- Dimensions: 14.24" x 10.06" x 0.81"
- Weight: 4.01 lbs.
- 512GB SSD
- 32GB DDR5-5600MHz
- 16" WUXGA (1920 x 1200), IPS, Anti-Glare, Touch
- Intel Wi-Fi 6E AX211 2x2 AX & Bluetooth 5.3
- WWAN
- Front camera 5MP RGB+IR with Microphone
- Backlit keyboard with number pad
- 1x USB-A (USB 5Gbps)
- 1x USB-A (USB 5Gbps) (always on)
- 1x RJ45
- 2x USB-C (Thunderbolt 4, USB 40Gbps) with power delivery & DisplayPort 2.1
- 1x HDMI 2.1
- 1x Headphone/mic combo
- 1x Kensington Lock Slot
- 4-year Next Business Day + KYHD (Keep Your Hard Drive)
- *****SMART CARD READER IS OPTIONAL – CUSTOM QUOTE REQUIRED**



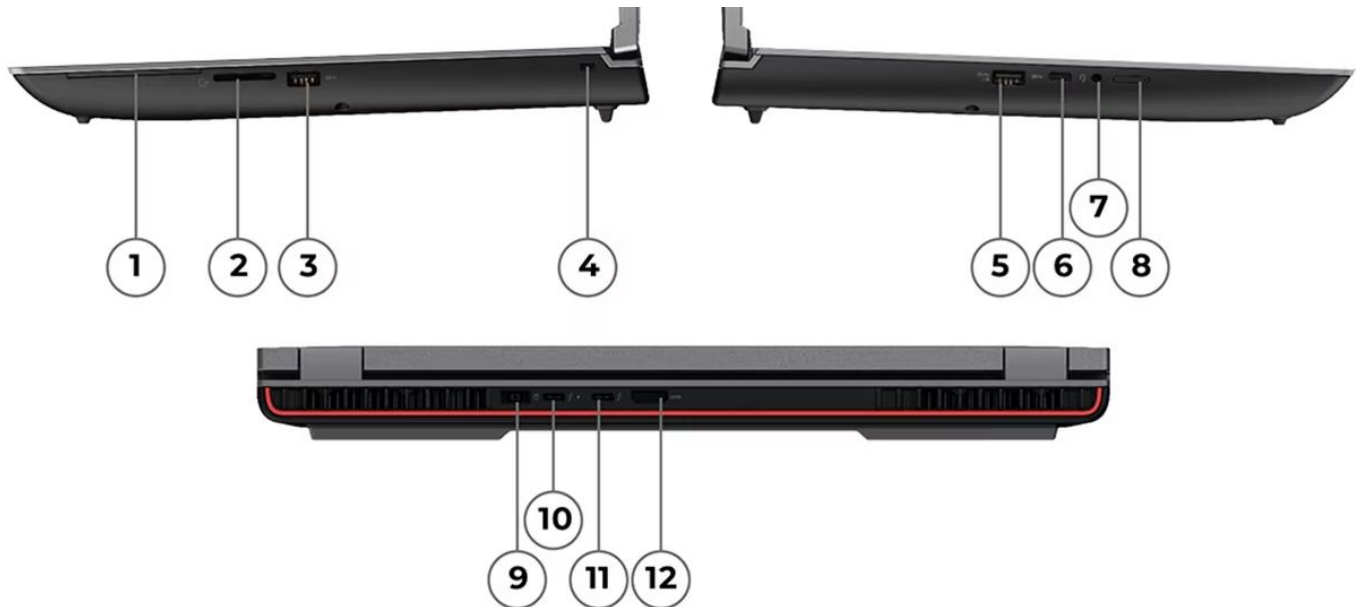
Ports & Slots



Lenovo ThinkPad P16 Gen 2 (L270) – \$3100.00

Technical Specifications:

- Intel Core Ultra 7 165H vPro Processor
- NVIDIA RTX A500 12GB Graphic Card
- Weight: 6.5 lbs.
- 1TB SSD
- 64GB memory
- Screen: 16" WUXGA (1920 x 1200), non-touch
- Camera: FHD 1080p with webcam privacy shutter
- Backlit keyboard with number pad
- 1x SD Express 7.0 card reader
- 1x USB-A (5Gbps) (always on)
- 1x USB-C (10Gbps)
- 2x USB-C Thunderbolt 4
- 1x USB-A (5Gbps)
- 1x HDMI 2.1
- 1x Headphone/mic combo
- 1x Kensington Lock Slot
- 4-year Next Business Day + KYHD (Keep Your Hard Drive)
- *****SMART CARD READER IS OPTIONAL – CUSTOM QUOTE REQUIRED**



- | | |
|----------------------------------|-------------------------------|
| ① Optional smart card reader | ⑦ Headphone / mic combo |
| ② SD Express 7.0 card reader | ⑧ Optional nano-SIM card slot |
| ③ USB-A (5Gbps) (always on) | ⑨ Power in |
| ④ Kensington Nano Security Slot™ | ⑩ USB-C® (Thunderbolt™ 4) |
| ⑤ USB-A (5Gbps) | ⑪ USB-C® (Thunderbolt™ 4) |
| ⑥ USB-C® (10Gbps) | ⑫ HDMI 2.1 |

ACCESSORIES

- **Dell Mobile Pro Wireless Mouse MS5120W (D131)** – Black, wireless, - 2.4 GHz or Bluetooth 5.04, 3-year advanced exchange.
- **Wireless Mouse (D121)** – WM126, black, 1-year warranty.
- **Dell Auto/Air DC Adapter (L12)** – An all-in-one, DC device that will both power your laptop as well as charge its battery.
- **Dell USB Optical Mouse (L21)** – Wireless optical mouse.
- **Dell External DVD/RW Drive (L96)** - The Dell External USB Slim DVD +/- RW Optical Drive is a plug and play disc burning and disc playing solution that you can use with a USB port.
- **Targus CityLite 15.6-inch Topload Case (L148)** – Fits up to 15.6 inch widescreen laptop, color black, 3.5lbs.
- **Kensington SP15 15.6-inch laptop backpack case (L146)**
- **ViewSonic Projector Carrying Case (PJ39)** – ViewSonic Projector Carrying Case for LightStream Sturdy 315x120x230mm carrying case, suitable for select LightStream and ViewSonic Projectors.
- **Dell Latitude 7200 2 in 1 keyboard (L168)**
- **Dell Active Pen PN5122W (AC101)**
 - **Compatible with the following Dell models:**
 - Latitude 7210 2-in-1
 - Latitude 7430 2-in-1
 - Latitude 7410 2-in-1
 - Latitude 7420 2-in-1
- **Dell Rechargeable Active Pen PN7522W (AC100)**
 - **Compatible with the following Dell models:**
 - Latitude 7210 2-in-1
 - Latitude 7430 2-in-1
 - Latitude 7410 2-in-1
 - Latitude 7420 2-in-1
- **StarTech 3-port USB Hub (T31)** - USB 3.0 Hub with Gigabit Ethernet Adapter
- **APC Back-UPS (AC102)** – APC Back-UPS 650 VA UPS Battery Backup and Surge Protector
- **Yubico YubiKey 5 NFSC FIPS USB-A (AC105)**
- **Yubico Yubikey 5C NFC FIPS USB-C (AC106)**
- **Nuance Dragon Microphone (AC107)** – a handheld microphone featuring simplified, thumb-control operation, programmable buttons, and integrated mouse functionality. 6ft cord. Can be used with Dragon Professional, Legal, and Medical. Cannot be returned.
- **Dell Wireless Keyboard KB500 (AC108)**
- **Dell Pro Wireless Keyboard and Mouse KM5221W (AC109)**
- **Logitech Wave Keys for Business (AC110)** – Wireless ergonomic keyboard with cushioned palm rest, graphite, keyboard, wireless, Bluetooth 5.1 LE.