



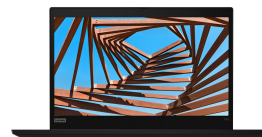
Lenovo ThinkPad X13 AMD Ryzen™ 5 PRO 4650U Laptop 33.8 cm (13.3") HD 8 GB DDR4-SDRAM 256 GB SSD Wi-Fi 6 (802.11ax) Windows 11 Pro Black

Brand : Lenovo

Product family: ThinkPad

Product code: 20UGS47X05

Product name : X13



- Windows 11 Pro
- AMD Ryzen 5 PRO 4650U (8MB Cache, 2.1GHz)
- 33.8 cm (13.3") HD 1366 x 768 TN
- 8GB (3200MHz) DDR4-SDRAM & 256GB SSD
AMD Ryzen 5 PRO 4650U (8MB Cache, 2.1GHz), 8GB DDR4-SDRAM, 256GB SSD, 33.8 cm (13.3") HD 1366 x 768 TN, AMD Radeon Graphics, LAN, WLAN, Webcam, Windows 11 Pro
Lenovo ThinkPad X13. Product type: Laptop, Form factor: Clamshell. Processor family: AMD Ryzen™ 5 PRO, Processor model: 4650U, Processor frequency: 2.1 GHz. Display diagonal: 33.8 cm (13.3"), HD type: HD, Display resolution: 1366 x 768 pixels. Internal memory: 8 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 256 GB, Storage media: SSD. On-board graphics card model: AMD Radeon Graphics. Operating system installed: Windows 11 Pro. Product colour: Black



| Design | | Camera | |
|---------------------------|-----------------------|---|------------------------|
| Product type * | Laptop | Front camera HD type | HD |
| Product colour * | Black | Privacy camera | ✓ |
| Form factor * | Clamshell | Privacy type | Privacy shutter |
| Display | | Network | |
| Display diagonal * | 33.8 cm (13.3") | Top Wi-Fi standard * | Wi-Fi 6 (802.11ax) |
| Display resolution * | 1366 x 768 pixels | Wi-Fi standards | Wi-Fi 6 (802.11ax) |
| Touchscreen * | ✗ | Antenna type | 2x2 |
| HD type | HD | Ethernet LAN | ✓ |
| Panel type | TN | Ethernet LAN data rates | 100,1000 Mbit/s |
| LED backlight | ✓ | Bluetooth | ✓ |
| Native aspect ratio | 16:9 | Bluetooth version | 5.1 |
| Anti-glare screen | ✓ | Ports & interfaces | |
| Display brightness | 250 cd/m ² | USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 2 |
| RGB colour space | NTSC | USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity | 2 |
| Colour gamut | 45% | HDMI ports quantity * | 1 |
| Contrast ratio (typical) | 300:1 | HDMI version | 2.0 |
| Processor | | Combo headphone/mic port | ✓ |
| Processor manufacturer * | AMD | Docking connector | ✓ |
| Processor family * | AMD Ryzen™ 5 PRO | USB Type-C DisplayPort Alternate Mode | ✓ |
| Processor model * | 4650U | USB Power Delivery | ✓ |
| Processor cores | 6 | USB Sleep-and-Charge | ✓ |
| Processor boost frequency | 4 GHz | USB Sleep-and-Charge ports | 1 |
| Processor frequency * | 2.1 GHz | Performance | |
| Processor cache | 8 MB | Motherboard chipset | AMD SoC |
| Processor cache type | L3 | Keyboard | |
| Memory | | Pointing device | ThinkPad UltraNav |
| Internal memory * | 8 GB | Numeric keypad * | ✗ |
| Internal memory type | DDR4-SDRAM | Keyboard backlight | ✓ |
| Memory clock speed | 3200 MHz | Spill-resistant keyboard | ✓ |
| Memory form factor | On-board | Software | |
| Maximum internal memory * | 8 GB | Operating system installed * | Windows 11 Pro |
| Memory channels | Dual-channel | Battery | |
| Storage | | Battery technology | Lithium Polymer (LiPo) |
| Total storage capacity * | 256 GB | | |
| Storage media * | SSD | | |
| Total SSDs capacity | 256 GB | | |

| | | | |
|--------------------------------|----------------------|---------------------------------------|---------------------------|
| Storage | | Battery | |
| Number of SSDs installed | 1 | Battery capacity * | 48 Wh |
| SSD capacity | 256 GB | Security | |
| SSD interface | PCI Express | Cable lock slot | ✓ |
| NVMe | ✓ | Cable lock slot type | Kensington |
| SSD form factor | M.2 | Smart card reader | ✓ |
| Optical drive type * | ✗ | Trusted Platform Module (TPM) | ✓ |
| Card reader integrated | ✓ | Trusted Platform Module (TPM) version | 2.0 |
| Compatible memory cards | MicroSD (TransFlash) | Password protection | ✓ |
| Graphics | | Password protection type | HDD, Power on, Supervisor |
| Discrete graphics card model * | Not available | Operational conditions | |
| On-board graphics card * | ✓ | Operating temperature (T-T) | 5 - 35 °C |
| On-board GPU manufacturer | AMD | Storage temperature (T-T) | 5 - 43 °C |
| Discrete graphics card * | ✗ | Operating relative humidity (H-H) | 8 - 95% |
| On-board graphics card model * | AMD Radeon Graphics | Storage relative humidity (H-H) | 5 - 95% |
| AMD FreeSync | ✓ | Maximum shipping altitude | 3048 m |
| Audio | | Certificates | |
| Audio chip | Realtek ALC3287 | Certification | MIL-STD-810G |
| Audio system | Dolby Audio | Weight & dimensions | |
| Number of built-in speakers | 2 | Width | 311.9 mm |
| Speaker power | 1 W | Depth | 217.2 mm |
| Built-in subwoofer | ✗ | Height | 16.9 mm |
| Built-in microphone | ✓ | Weight * | 1.29 kg |
| Camera | | | |
| Front camera | ✓ | | |
| Front camera resolution | 1280 x 720 pixels | | |



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