

ThinkPad X390 Platform Specifications

Product Specifications Reference (PSREF)

| | | | | | | | | | | | | | | |
|------------------------------|---|--|--------------|----------------|---------------------|--------------|--|--------------------|--------------------|---|--|----------------------|--|--|
| Processor | 8th Generation Intel® Core™ i3 / i5 / i7 Processor | | | | | | | | Dimensions | Models | FHD Non-touch | HD / FHD Multi-touch | | |
| | Processor Number | # of Cores | # of Threads | Base Frequency | Max Turbo Frequency | Cache | Memory Types | Processor Graphics | | Carbon Fiber | 311.9mm x 217.0mm x 16.5mm 12.28" x 8.54" x 0.65" | - | | |
| Weight | i3-8145U | 4 | 8 | 2.1 GHz | 3.9 GHz | 4MB | DDR4-2400 | Intel UHD Graphics | PPS | 312.0mm x 217.2mm x 16.9mm 12.28" x 8.55" x 0.67" | 311.9mm x 217.2mm x 16.9mm 12.28" x 8.55" x 0.67" | | | |
| | i5-8265U | | | 1.6 GHz | 3.9 GHz | 6MB | | | Carbon Fiber | 2.70 lb / 1.22 kg | - | - | | |
| i5-8365U | 1.6 GHz | | | 4.1 GHz | 6MB | PPS | | | 2.85 lb / 1.29 kg | 2.93 lb / 1.33 kg | 2.84 lb / 1.28 kg | | | |
| i7-8565U | 1.8 GHz | | | 4.6 GHz | 8MB | | | | | | | | | |
| i7-8665U | 1.9 GHz | | | 4.8 GHz | 8MB | | | | | | | | | |
| Graphics | or 10th Generation Intel Core i5 / i7 Processor (NOT available in EMEA) | | | | | | | | Case color | Black | | | | |
| | Processor Number | # of Cores | # of Threads | Base Frequency | Max Turbo Frequency | Cache | Memory Types | Processor Graphics | Case material | <i>Display cover:</i> Carbon Fiber (FHD non-touch only) or PPS; <i>Bottom:</i> Magnesium/Aluminum | | | | |
| Chipset Memory | i5-10210U | 4 | 8 | 1.6 GHz | 4.2 GHz | 6MB | DDR4-2400 | Intel UHD Graphics | Smart card reader | Optional: Smart card reader | | | | |
| | i7-10510U | | | 1.8 GHz | 4.9 GHz | 8MB | | | Media reader | MicroSD card reader, in the combo slot with nano-SIM card | | | | |
| Display | i7-10710U | 6 | 12 | 1.1 GHz | 4.7 GHz | 12MB | | | Ports | Two USB 3.1 Gen 1 (one Always On), one USB 3.1 Type-C Gen 1 (with the function of Power Delivery and DisplayPort), one USB 3.1 Type-C Gen 2 / Thunderbolt 3 (with the function of PD and DP), HDMI 1.4b, Ethernet extension connector, combo slot of nano-SIM card (WWAN models) and microSD card reader, headphone / microphone combo jack, optional smart card reader, side docking connector, security keyhole <i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i> | | | | |
| | Size | Resolution | Type | Surface | Brightness | Aspect Ratio | Contrast Ratio | Color Gamut | Viewing Angle | Monitor cable (optional) | <i>HDMI to VGA:</i> Lenovo HDMI to VGA Monitor Adapter <i>USB-C to VGA:</i> Lenovo USB-C to VGA Adapter <i>USB-C to DP:</i> Lenovo USB-C to DisplayPort Adapter <i>Optional:</i> ThinkPad Ethernet Extension Adapter Gen 2 | | | |
| Multi-touch (opt) | 13.3" | HD (1366x768) | TN | Anti-glare | 250 nits | 16:9 | 500:1 | 45% | 90° | Bundled Accy | Camera (optional) • HD720p camera with ThinkShutter camera privacy, fixed focus • IR camera and HD720p camera with ThinkShutter camera privacy, fixed focus | | | |
| | 13.3" | FHD (1920x1080) | IPS | Anti-glare | 300 nits | 16:9 | 800:1 (non-touch) 700:1 (multi-touch) | 72% | 170° | Audio support | HD Audio, Realtek® ALC3287 codec / stereo speakers, 1W x 2, Dolby® Audio™ Premium / dual array far-field microphone (for special bid model, microphone is optional), headphone / microphone combo jack | | | |
| Storage | 13.3" | FHD (1920x1080) ThinkPad Privacy Guard | IPS | Anti-glare | 400 nits | 16:9 | 1000:1 | 72% | 178° | Keyboard | 6-row, spill-resistant, multimedia Fn keys, optional LED backlight TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad | | | |
| | Multi-touch (opt) | On-cell touch, supports 10-finger gesture (FHD only) | | | | | | | | Security | Power-on password, hard disk password, supervisor password, security keyhole | | | |
| Optical | None | | | | | | | | Security chip | Firmware TPM 2.0 integrated in chipset or discrete TPM 2.0 TCG Certified (may be disabled in some region) | | | | |
| | Ethernet | Native Intel Ethernet Connection I219-V (Non-vPro) or I219-LM (vPro) via optional ThinkPad Ethernet Extension Adapter Gen 2 | | | | | | | | System Mgt (opt) | Intel vPro Technology | | | |
| WLAN + Bluetooth™ (optional) | • Intel Wireless-AC 9560, Wi-Fi 2x2 802.11ac + Bluetooth 5.1 • Intel Wi-Fi 6 AX200, Wi-Fi 2x2 802.11ax + Bluetooth 5.1 <i>* Intel Wi-Fi 6 full features might be limited by country level restrictions</i> <i>* BT5.1 is supported on Windows 10 version 2004 or above (limited to BT5.0 on earlier version)</i> | | | | | | | | Fingerprint reader | Optional: Touch style match on chip fingerprint reader on the palm rest | | | | |
| | WWAN (optional) | • Wireless WAN upgradable (special bid only in EMEA) • Integrated Mobile Broadband 4G LTE, Fibocom L830-EB, M.2 card (EMEA only) • Integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, M.2 card <i>* For non-WWAN model, it means the model is NOT WWAN upgradable</i> | | | | | | | | NFC (optional) | Near Field Communication | | | |
| SIM card (opt) | • Verizon LTE (US) SIM card • Gemalto eSIM | | | | | | | | Battery | Integrated Li-Polymer 48Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter <i>MobileMark® 2014: 17.6 hr</i> <i>* Battery life varies significantly with hardware configurations, settings, usage, & other factors</i> | | | | |
| | Operating system | • 1-year depot repair service • 1-year depot with 2-year system board repair service • 1-year limited onsite service • 1-year + 2-year depot repair service • 1-year + 2-year limited onsite service • 3-year/1-yr battery depot repair service • 3-year/1-yr battery limited onsite service | | | | | | | | Max battery life | 45W USB-C AC adapter 65W USB-C AC adapter 65W USB-C slim AC adapter | | | |
| Mil-Spec test | | MIL-STD-810G military testing | | | | | | | | AC adapter | Operating system Optional: Windows® 10 Home 64 or Windows 10 Pro 64 | | | |
| | Environment | EPEAT™ Gold; ENERGY STAR® 8.0; TCO Certified; RoHS-compliant | | | | | | | | Limited warranty (optional) | • 1-year depot repair service • 1-year depot with 2-year system board repair service • 1-year limited onsite service • 1-year + 2-year depot repair service • 1-year + 2-year limited onsite service • 3-year/1-yr battery depot repair service • 3-year/1-yr battery limited onsite service | | | |

Note: The specifications above may not be available in all regions and might change by regions.