

ThinkPad X1 Yoga (3rd Gen) Platform Specifications

Product Specifications Reference (PSREF)



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| Processor | 8th Generation Intel® Core™ i5 / i7 Processor | | | | | | | | Smart card reader: None Media reader: MicroSD card reader, supports UHS-II Ports: Two USB 3.1 Gen 1 (one Always On), two USB 3.1 Type-C Gen 2 / Thunderbolt 3, HDMI 1.4, Ethernet extension connector, nano-SIM card slot (WWAN models), headphone / microphone combo jack, microSD card reader WiGig dock: None Monitor cable (optional): HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter USB-C to VGA: Lenovo USB-C to VGA Adapter USB-C to DP: Lenovo USB-C to DisplayPort Adapter |
| | Processor Number | # of Cores | # of Threads | Base Frequency | Max Turbo Frequency | Cache | Memory Types | Processor Graphics | |
| | i5-8250U | 4 | 8 | 1.6 GHz | 3.4 GHz | 6MB | LPDDR3-2133 | Intel UHD Graphics 620 | |
| | i5-8350U | | | 1.7 GHz | 3.6 GHz | 6MB | | | |
| | i7-8550U | | | 1.8 GHz | 4.0 GHz | 8MB | | | |
| i7-8650U | 1.9 GHz | | | 4.2 GHz | 8MB | | | | |
| Graphics | Intel UHD Graphics 620 in processor; supports external digital monitor via HDMI or USB Type-C; supports three independent displays; Max resolution: 5120x2880@60Hz (USB Type-C); 4096x2160@30Hz (HDMI) | | | | | | | | |
| Chipset | Intel SoC (System on Chip) platform | | | | | | | | |
| Memory | 8GB or 16GB / 2133MHz LPDDR3 / soldered to systemboard, no sockets | | | | | | | | |
| Display | <i>Some:</i> 14.0" (355mm) FHD (1920x1080), LED backlight, 270 nits, 16:9 aspect ratio, 700:1 contrast ratio, 72% gamut, 170° viewing angle, IPS <i>Some:</i> 14.0" (355mm) WQHD (2560x1440), LED backlight, 270 nits, 16:9 aspect ratio, 700:1 contrast ratio, 72% gamut, 170° viewing angle, IPS <i>Some:</i> 14.0" (355mm) HDR WQHD (2560x1440) with Dolby Vision™, LED backlight, 500 nits, 16:9 aspect ratio, 1500:1 contrast ratio, 100% gamut, 170° viewing angle, IPS | | | | | | | | |
| Multi-touch | Capacitive-type multi-touch, AR (anti-reflection), AS (anti-smudge), supports 10-finger gesture | | | | | | | | |
| Hinge | Yoga hinge, 360 degree | | | | | | | | |
| Convert-mode | Laptop, tent, stand, and tablet | | | | | | | | |
| Pen (optional) | ThinkPad Pen Pro, active pen for multi-touch display, on-board rechargeable | | | | | | | | |
| Storage | <i>Some:</i> M.2 SSD / SATA 6.0Gb/s (e.g. xxxG SSD) <i>Some:</i> M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s (e.g. xxxG SSD PCIe NVMe) | | | | | | | | |
| Optical | None | | | | | | | | |
| Ethernet | Native Intel Ethernet Connection WGI219-LM (vPro) via optional ThinkPad Ethernet Extension Cable | | | | | | | | |
| WLAN | Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + Bluetooth 4.1, M.2 card * Intel 8265ac card supports BT4.2 but is limited to BT4.1 by Windows OS | | | | | | | | |
| Bluetooth™ | Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter | | | | | | | | |
| WWAN (optional) | Integrated Mobile Broadband 4G LTE-A, Intel XMM™ 7360 (Fibocom L850-GL), M.2 card | | | | | | | | |
| SIM card (opt) | Nano-SIM card slot, optional Verizon LTE (US) SIM card | | | | | | | | |
| Dimensions | <i>WxDxH:</i> 13.11" x 9.02" x 0.67"; 333mm x 229mm x 17.05mm | | | | | | | | |
| Weight | Starting at 3.08 lb (1.4kg) | | | | | | | | |
| Case color | Black or silver | | | | | | | | |
| Case material | <i>Display cover:</i> Carbon-Fiber and Glass-Fiber hybrid; <i>Bottom:</i> magnesium-PPS hybrid | | | | | | | | |
| Camera (optional) | <i>One of the following, configurable by model:</i> 720p: HD720p camera with ThinkShutter camera privacy, fixed focus IR & 720p: IR camera and HD720p camera, fixed focus <i>* WWAN models and HDR panel models can not support IR camera</i> | | | | | | | | |
| Audio support | HD Audio, Realtek® ALC3286 codec, Dolby® Audio™ Premium / stereo speakers, 1W x 2 / dual array microphone, headphone / microphone combo jack, Dolby® Atmos™ via headphones | | | | | | | | |
| Keyboard | 6-row wave keyboard (rise & fall), spill-resistant, multimedia Fn keys, LED backlit | | | | | | | | |
| UltraNav™ | TrackPoint® pointing device and 3+2 buttons multi-touch clickpad | | | | | | | | |
| Security | Power-on password, hard disk password, supervisor password, security keyhole | | | | | | | | |
| Security chip | Discrete TPM 2.0 TCG Certified | | | | | | | | |
| vPro (optional) | Intel vPro Technology | | | | | | | | |
| Fingerprint reader | Touch style match on chip fingerprint reader on the palm rest | | | | | | | | |
| NFC (optional) | Near Field Communication | | | | | | | | |
| Battery | Integrated Li-Ion 54Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W USB Type-C AC adapter | | | | | | | | |
| Max battery life | <i>MobileMark® 2014:</i> 15.4 hr | | | | | | | | |
| AC adapter | 45W or 65W USB Type-C AC adapter | | | | | | | | |
| Light sensor | Ambient Light Sensor | | | | | | | | |
| G-sensor | 3D accelerometer and 3D magnetometer | | | | | | | | |
| Compass | None | | | | | | | | |
| Gyroscope | 3D gyrometer | | | | | | | | |
| Preload | Windows 10 Pro 64 | | | | | | | | |
| Limited warranty | <i>One of the following, configurable by model:</i> • 1-year depot repair service • 3-year/1-yr battery depot repair service | | | | | | | | |
| Mil-Spec test | MIL-STD-810G military certification | | | | | | | | |
| Environment | EPEAT™ Gold; ENERGY STAR®; RoHS-compliant | | | | | | | | |

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