

ThinkPad X1 Yoga (2nd Gen) Platform Specifications

Product Specifications Reference (PSREF)

Processor	7th Generation Intel® Core™ i5 / i7 Processor								Smart card reader	None									
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Media reader	Micro SD, supports UHS-II SD card									
	i5-7200U	2	4	2.5 GHz	3.1 GHz	3MB	LPDDR3-1866	Intel HD Graphics 620	Ports	Three USB 3.1 Gen 1 (USB 3.0, one Always On), two USB 3.1 Type-C Gen 2 / Thunderbolt 3 (support data, video, and power delivery), HDMI 1.4b, Ethernet extension connector, combo audio / microphone jack									
	i5-7300U			2.6 GHz	3.5 GHz	3MB													
	i7-7500U			2.7 GHz	3.5 GHz	4MB													
	i7-7600U			2.8 GHz	3.9 GHz	4MB													
Graphics	Intel HD Graphics 620 in processor only, supports external digital monitor via HDMI or USB Type-C; supports three independent displays; Max resolution: 4096x2304@60Hz (USB Type-C); 4096x2160@24Hz (HDMI)								WiGig dock (opt)	ThinkPad WiGig dock									
Chipset	Intel SoC (System on Chip) platform								Monitor Cable (optional)	HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter									
Memory	8GB or 16GB max / 1866MHz LPDDR3 / soldered to systemboard, no sockets								USB-C to VGA	Lenovo USB-C to VGA Adapter									
Display	<p><i>Some:</i> 14.0" (355mm) FHD (1920x1080), glossy, LED backlight, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 72% gamut, 170° viewing angle, IPS</p> <p><i>Some:</i> 14.0" (355mm) Narrow Bezel FHD (1920x1080), glossy, LED backlight, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 72% gamut, 170° viewing angle, IPS</p> <p><i>Some:</i> 14.0" (355mm) WQHD (2560x1440), glossy, LED backlight, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 72% gamut, 170° viewing angle, IPS</p> <p><i>Some:</i> 14.0" (355mm) WQHD (2560x1440), glossy, OLED, 300 nits, 16:9 aspect ratio, 54000:1 contrast ratio, 100% gamut, 176° viewing angle</p>								USB-C to DP	Lenovo USB-C to DisplayPort Adapter									
Multi-touch	LED panel: Capacitive-type multi-touch, AR (anti-reflection), AS (anti-smudge), supports 10-finger gesture								Camera (optional)	720p: HD720p resolution, fixed focus IR & 720p: IR camera and HD720p camera (Narrow Bezel FHD panels only)									
Hinge	OLED panel: OCTA, AS (anti-smudge), supports 10-finger gesture								Audio support	HD Audio, Conexant® CX11771 codec / stereo speakers, 2W x 2 / dual array microphone, combo audio / microphone jack									
Convert-mode	Yoga hinge, 360 degree								Keyboard	6-row wave keyboard (rise & fall), spill-resistant, multimedia Fn keys, LED backlit									
Pen (optional)	ThinkPad Pen Pro, active pen for multi-touch display								UltraNav™	TrackPoint® pointing device and 3+2 buttons multi-touch clickpad									
Storage	<p><i>Some:</i> M.2 SSD / SATA 6.0Gb/s (e.g. xxxG SSD)</p> <p><i>Some:</i> M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s (e.g. xxxG SSD PCIe NVMe)</p>								Security	Power-on password, hard disk password, supervisor password, security keyhole									
Optical	None								Security chip	Discrete TPM 2.0 TCG Certified									
Ethernet	Native Intel Ethernet Connection I219-V (Non-vPro) or I219-LM (vPro) via optional ThinkPad Ethernet Extension Cable								vPro (optional)	Intel vPro Technology									
WLAN	<p><i>One of the following, configurable by model (WiGig is mutually exclusive with WWAN):</i></p> <ul style="list-style-type: none"> Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2, 802.11ac + BT4.1, M.2 Card Intel Tri-Band Wireless-AC 18265, WiGig™ 802.11ad + Wi-Fi 2x2, 802.11ac + BT4.1, M.2 Card <p><i>*WiGig adapter is only available in selected countries*</i></p>								Fingerprint reader	Touch style match on chip fingerprint reader on the palm rest									
Bluetooth™	Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter								NFC (optional)	Near Field Communication									
WWAN (optional)	Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455)								Battery type	Li-Polymer 4-cell (56Wh)									
SIM card	Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card								Battery life	MobileMark® 2014: 15.5 hr									
Dimensions	<p><i>LED model:</i> 13.11" x 9.02" x 0.67" (WxDxH); 333mm x 229mm x 17.05mm</p> <p><i>OLED model:</i> 13.11" x 9.02" x 0.69" (WxDxH); 333mm x 229mm x 17.4mm</p> <p>Starting at 2.99 lb (1.36kg) for OLED model; 3.13 lb (1.42kg) for other model</p>								AC adapter	45W or 65W USB Type-C AC adapter									
Weight									RapidCharge	<table border="1"> <tr> <td>AC adapter</td> <td>45W USB-C</td> <td>65W USB-C</td> </tr> <tr> <td>Charge to 80%</td> <td>Not support</td> <td>1.0 hr</td> </tr> <tr> <td>Charge to 100%</td> <td>Not support</td> <td>2.8 hr</td> </tr> </table>	AC adapter	45W USB-C	65W USB-C	Charge to 80%	Not support	1.0 hr	Charge to 100%	Not support	2.8 hr
AC adapter	45W USB-C	65W USB-C																	
Charge to 80%	Not support	1.0 hr																	
Charge to 100%	Not support	2.8 hr																	
Case color	Black or silver								Light sensor	Ambient Light Sensor									
Case material	Display cover: Carbon-Fiber Hybrid; Bottom: magnesium-PPS hybrid								G-sensor	3D accelerometer and 3D magnetometer									
									Compass	3D compass									
									Gyroscope	3D gyrometer									
									Preload	<p><i>Some:</i> Windows 10 Pro 64</p> <p><i>Some:</i> Windows 10 Home 64</p> <ul style="list-style-type: none"> Lenovo Companion Lenovo Settings Microsoft Office preloaded; purchase a product key to activate 									
									Limited warranty	<p><i>One of the following, configurable by model:</i></p> <ul style="list-style-type: none"> 1-year depot repair service 3-year/1-yr battery depot repair service 3-year/1-yr battery limited onsite service 									
									Mil-Spec test	MIL-STD-810G military certification									
									Environment	EPEAT™ Gold; ENERGY STAR®; RoHS-compliant									