

# ThinkPad X1 Yoga (2<sup>nd</sup> Gen) Platform

Product Specifications Reference (PSREF)

Processor	7th Generation Intel® Core™ i5 / i7 Processor	Smart card reader	None																																	
	<table border="1"> <thead> <tr> <th>Processor Number</th> <th># of Cores</th> <th># of Threads</th> <th>Base Frequency</th> <th>Max Turbo Frequency</th> <th>Cache</th> <th>Memory Types</th> <th>Processor Graphics</th> <th>vPro</th> </tr> </thead> <tbody> <tr> <td>i5-7200U</td> <td rowspan="4">2</td> <td rowspan="4">4</td> <td>2.5 GHz</td> <td>3.1 GHz</td> <td>3MB</td> <td rowspan="4">LPDDR3-1866</td> <td rowspan="4">Intel HD Graphics 620</td> <td>No</td> </tr> <tr> <td>i5-7300U</td> <td>2.6 GHz</td> <td>3.5 GHz</td> <td>3MB</td> <td>vPro</td> </tr> <tr> <td>i7-7500U</td> <td>2.7 GHz</td> <td>3.5 GHz</td> <td>4MB</td> <td>No</td> </tr> <tr> <td>i7-7600U</td> <td>2.8 GHz</td> <td>3.9 GHz</td> <td>4MB</td> <td>vPro</td> </tr> </tbody> </table>	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	vPro	i5-7200U	2	4	2.5 GHz	3.1 GHz	3MB	LPDDR3-1866	Intel HD Graphics 620	No	i5-7300U	2.6 GHz	3.5 GHz	3MB	vPro	i7-7500U	2.7 GHz	3.5 GHz	4MB	No	i7-7600U	2.8 GHz	3.9 GHz	4MB	vPro	Media reader	Micro SD, supports UHS-II SD card
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i5-7200U	2	4	2.5 GHz	3.1 GHz	3MB	LPDDR3-1866	Intel HD Graphics 620	No																												
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Graphics	Intel HD Graphics 620 in processor only, supports external digital monitor via HDMI; supports dual independent displays; Max resolution: 4096x2160 (HDMI)@24Hz	Ports	Three USB 3.1 Gen 1 / USB 3.0 (one Always On), Mini RJ45, HDMI, two USB 3.1 Type-C Gen 2 / Thunderbolt 3 / PD 2 combo audio / microphone jack																																	
Chipset	Intel SoC (System on Chip) platform	WiGig dock Adapter (optional)	Mini RJ45-RJ45: Mini RJ45 to RJ45 adapter USB-C-VGA: USB-C to VGA adapter USB-C-DP: USB-C to DisplayPort adapter HDMI-VGA: Lenovo HDMI to VGA Monitor Cable																																	
Memory	16GB max / 1866MHz LPDDR3 / soldered to systemboard	Camera (optional)	720p: HD720p resolution, fixed focus IR & 720p: IR camera and HD720p camera (Narrow Bezel FHD panels only)																																	
Display	<p>Some: 14.0" (355mm) WQHD (2560x1440), glossy / anti-reflection, OLED, 300 nits, 16:9 aspect ratio, 54000:1 contrast ratio</p> <p>Some: 14.0" (355mm) WQHD (2560x1440), glossy / anti-reflection, LED backlight, 270 nits, 16:9 aspect ratio, 700:1 contrast ratio, IPS</p> <p>Some: 14.0" (355mm) FHD (1920x1080), glossy / anti-reflection, LED backlight, 270 nits, 16:9 aspect ratio, 700:1 contrast ratio, IPS</p> <p>Some: 14.0" (355mm) FHD (1920x1080), glossy / anti-reflection, LED backlight, 270 nits, 16:9 aspect ratio, 700:1 contrast ratio (Narrow Bezel FHD panel), IPS</p>	Audio support	HD Audio, Conexant® CX11771 codec, Dolby® Audio Premium / stereo speakers, 2W x 2 / dual array microphone, combo audio / microphone jack																																	
Multi-touch	Capacitive touch panel, supports 10-finger gesture	Keyboard	6-row wave keyboard (rise & fall), spill-resistant, multimedia Fn keys, LED backlit																																	
Hinge	Yoga hinge, 360 degree	UltraNav™	TrackPoint® pointing device and multi-touch with 3+2 buttons click pad, multi-touch																																	
Convert-mode	Laptop, tent, stand, and tablet	Security	Power-on password, hard disk password, supervisor password, security keyhole																																	
Pen (optional)	ThinkPad Pen Pro, active pen for multi-touch display	Security chip	Discrete TPM 2.0 TCG Certified																																	
Storage	<p>Some: M.2 SSD / SATA 6.0Gb/s</p> <p>Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s</p>	vPro (optional)	Intel vPro Technology																																	
Optical	None	Fingerprint reader	Touch style fingerprint reader on the keyboard bezel																																	
Ethernet	Gigabit Ethernet via Mini RJ45 (by native Intel Ethernet Connection I219-V (Non-vPro) or I219-LM (vPro))	NFC (optional)	Near Field Communication																																	
WLAN	<p>One of the following, configurable by model (WiGig is mutually exclusive with WWAN):</p> <ul style="list-style-type: none"> <li>Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2, 802.11ac + BT4.1, M.2 Card</li> <li>Intel Tri-Band Wireless-AC 18265, WiGig™ 802.11ad + Wi-Fi 2x2, 802.11ac + BT4.1, M.2 Card</li> </ul>	Battery type	Li-Polymer 4-cell (56Wh)																																	
Bluetooth™	<p>*WiGig adapter is only available in selected countries*</p> <p>Bluetooth wireless, integrated in Wi-Fi + Bluetooth combo adapter</p> <p>*Intel Wi-Fi card supports Bluetooth 4.2 but is limited to BT 4.1 by Windows OS</p>	Battery life	Up to 15.5 hr																																	
WWAN (optional)	<p>One of the following, configurable by model (mutually exclusive with WiGig):</p> <ul style="list-style-type: none"> <li>Wireless WAN, Sierra Wireless EM7455, Qualcomm® 4G LTE-Advanced/DC-HSPA+/HSPA+/HSPA/UMTS/GNSS, M.2 card</li> </ul>	AC adapter	Some: 45-watt USB Type-C adapter Some: 65-watt USB Type-C adapter																																	
SIM card	Micro-SIM card slot, Lenovo Connect (WE) SIM card	Light sensor	Ambient Light Sensor																																	
Dimensions	WxDxH: 13.11" x 9.02" x 0.69"; 333mm x 229mm x 17.4mm	G-sensor	3D accelerometer and 3D magnetometer																																	
Weight	From 2.99 lb (1.36kg) for OLED model; 3.15 lb (1.42kg) for other model	Compass	3D compass																																	
Case color	Black or silver	Gyroscope	3D gyrometer																																	
Case material	Carbon-Fiber Hybrid	Preload	<p>Some: Windows 10 Pro 64</p> <p>Some: Windows 10 Home 64</p> <ul style="list-style-type: none"> <li>Lenovo Companion</li> <li>Lenovo Settings</li> <li>Microsoft Office preloaded; purchase a product key to activate</li> <li>McAfee® Live Safe (30-day trial)</li> </ul>																																	
		Limited warranty	<p>One of the following, configurable by model:</p> <ul style="list-style-type: none"> <li>1-year depot repair service</li> <li>3-year/1-yr battery depot repair service</li> <li>3-year/1-yr battery limited onsite service</li> </ul>																																	
		Mil-Spec test	MIL-STD-810G military certification																																	
		Environment	EPEAT™ Gold; ENERGY STAR®; RoHS-compliant																																	