

# ThinkPad X1 Yoga (2nd Gen) 20JD0023++

**Region**  
EMEA

**Machine Type**  
20JD

**TopSeller**  
TopSeller

**Processor**  
Core i5-7200U (2C, 2.5 / 3.1GHz, 3MB)

**vPro**  
No

**Graphics**  
Integrated Intel HD Graphics 620

**Memory**  
8GB Soldered

**Display**  
14" WQHD (2560x1440) IPS Glossy

**Multi-touch**  
10-point Multi-touch

**Storage**  
256GB SSD M.2 PCIe NVMe Opal2

**Optical**  
None

**WLAN + Bluetooth**  
Intel 8265 ac, 2x2 + BT4.1

**WWAN**  
None

**SIM Card**  
None

**Dock**  
None

**Monitor Cable**  
None

**Adapter**  
ThinkPad Ethernet Extension Cable

**Color**  
Black

**Camera**  
720p

**Keyboard**  
Backlit

**Pen**  
ThinkPad Pen Pro

**Fingerprint Reader**  
Fingerprint Reader

**NFC**  
NFC

**Battery**  
4-cell (56Wh)

**Power Adapter**  
65W

**Operating System**  
Windows 10 Pro 64

**Warranty**  
3-year, Onsite

**Global**  
No

**End of Support**  
May 4, 2023

**Ann Date (mm/yy)**  
04/17

**Note:**

Country Code "US" is for United States, "++" is for EMEA countries (e.g. AD - Saudi, Arabia, AT - Austria, BM - Bulgaria, etc.), "xx" is for EAST countries (e.g. BM - Bulgaria, CX - Hungary, CY - Cyprus, etc.), and "\*\*\*" is for MEA countries (e.g. AD - Saudi, Arabia, ED - Egypt, EQ - Sweden, etc.). Please be aware that the EMEA/ EAST/MEA models listed above might not be available in all countries



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

Product Specifications Reference (PSREF)



Processor	7th Generation Intel® Core™ i5 / i7 Processor								Smart card reader None Media reader MicroSD card reader, supports UHS-II microSD card 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  WiGig dock (opt) ThinkPad WiGig dock 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									
	i5-7200U	2	4	2.5 GHz	3.1 GHz	3MB	LPDDR3-1866	Intel HD Graphics 620									
	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)																
Chipset	Intel SoC (System on Chip) platform																
Memory	8GB or 16GB / 1866MHz LPDDR3 / soldered to systemboard, no sockets																
Display	<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 <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 <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 <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 <i>LED panel:</i> Capacitive-type multi-touch, AR (anti-reflection), AS (anti-smudge), supports 10-finger gesture <i>OLED panel:</i> OCTA, AS (anti-smudge), supports 10-finger gesture																
Multi-touch	Yoga hinge, 360 degree																
Hinge	Laptop, tent, stand, and tablet																
Convert-mode	ThinkPad Pen Pro, active pen for multi-touch display																
Pen (optional)	<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)																
Storage	None																
Optical	Native Intel Ethernet Connection I219-V (Non-vPro) or I219-LM (vPro) via optional ThinkPad Ethernet Extension Cable																
Ethernet	<i>One of the following, configurable by model (WiGig is mutually exclusive with WWAN):</i> <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> <i>*WiGig adapter is only available in selected countries*</i>																
WLAN	Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter																
Bluetooth™	* Intel 8265ac / 18265ac card support BT4.2 but is limited to BT4.1 by Windows OS																
WWAN (optional)	Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455)																
SIM card (opt)	Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card																
Dimensions	WxDxH: 13.11" x 9.02" x 0.69"; 333mm x 229mm x 17.4mm																
Weight	Starting at 2.99 lb (1.36kg) for OLED model; 3.13 lb (1.42kg) for other model																
Case color	Black or silver																
Case material	<i>Display cover:</i> Carbon-Fiber Hybrid; <i>Bottom:</i> magnesium-PPS hybrid																
Camera (optional)	720p: HD720p resolution, fixed focus IR & 720p: IR camera and HD720p camera (Narrow Bezel FHD panel only)																
Audio support	HD Audio, Conexant® CX11771 codec / stereo speakers, 2W x 2 / dual array microphone, combo audio / microphone jack																
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	Li-Polymer 4-cell (56Wh)																
Max battery life	MobileMark® 2014: 15.5 hr																
AC adapter	45W or 65W USB Type-C AC adapter																
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															
Light sensor	Ambient Light Sensor																
G-sensor	3D accelerometer and 3D magnetometer																
Compass	3D compass																
Gyroscope	3D gyrometer																
Preload	<i>Some:</i> Windows 10 Home 64 <i>Some:</i> Windows 10 Pro 64 <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> </ul>																
Limited warranty	<i>One of the following, configurable by model:</i> <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 (US only); ENERGY STAR®; RoHS-compliant																

# ThinkPad X1 Yoga (2nd Gen)

