# ThinkPad X1 Yoga (3rd Gen) 20LD002MUK

**Product**
ThinkPad X1 Yoga (3rd Gen)

**Region**
WE

**Country**
UK

**Machine Type**
20LD

**TopSeller**
TopSeller

**Processor**
Core i7-8550U (4C / 8T, 1.8 / 4.0GHz, 8MB)

**Graphics**
Integrated Intel UHD Graphics 620

**Chipset**
Intel SoC Platform

**Memory**
16GB Soldered LPDDR3-2133

**Display**
14" HDR WQHD (2560x1440) IPS 500nits Anti-glare

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

**Storage**
512GB SSD M.2 2280 PCIe NVMe Opal2

**Optane Memory**
None

**Optical**
None

**WLAN + Bluetooth**
Intel 8265 11ac, 2x2 + BT4.2

**WWAN**
Fibocom L850-GL

**Smart Card Reader**
None

**Monitor Cable**
None

**Bundled Accessories**
ThinkPad Ethernet Extension Cable

**Color**
Black

**Case Material**
Carbon-Fiber Hybrid

**Camera**
720p

**Keyboard**
Backlit

**Pen**
ThinkPad Pen Pro

**Fingerprint Reader**
Fingerprint Reader

**NFC**
NFC

**TPM**
Discrete TPM 2.0

**Battery**
Integrated 54Wh

**Power Adapter**
65W USB-C

**System Management**
None

**Operating System**
Windows 10 Pro 64

**Bundled Software**
None

**Base Warranty**
3-year, Onsite

**Upsell Service Bundles**
None

**End of Support**
2024-05-10

**Announce Date**
2018-04-10

Notes:
Battery life is an estimated maximum. Actual battery life may vary based on many factors, including screen brightness, active applications, features, power management settings, battery age and conditioning, and other customer preferences.

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# ThinkPad X1 Yoga (3rd Gen) Platform Specifications



**Processor**

7th Generation Intel® Core™ i5 Processor

| Processor Number | # of Cores | # of Threads | Base Frequency | Max Turbo Frequency | Cache | Memory Types | Processor Graphics |
|---|---|---|---|---|---|---|---|
| i5-7300U | 2 | 4 | 2.6 GHz | 3.5 GHz | 3MB | LPDDR3-1866 | Intel HD Graphics 620 |

8th Generation Intel Core i5 / i7 Processor

| 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 HD Graphics 620 or 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**
*Some:* 14.0" (355mm) FHD (1920x1080), LED backlight, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 72% gamut, 170° viewing angle, IPS
*Some:* 14.0" (355mm) WQHD (2560x1440), LED backlight, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 72% gamut, 170° viewing angle, IPS
*Some:* 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, reduces overall display brightness by 10%

**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**
*Some:* M.2 SSD / SATA 6.0Gb/s (e.g. xxxG SSD)
*Some:* 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**
*WxDxH:* 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**
*Display cover:* Carbon-Fiber and Glass-Fiber hybrid;
*Bottom:* magnesium-PPS hybrid

**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
** Depending on many factors, actual data transfer speed may be lower than theoretical speed*

**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

**Camera *(optional)***
*One of the following, configurable by model:*
*720p:* HD720p camera with ThinkShutter camera privacy, fixed focus
*IR & 720p:* IR camera and HD720p camera, fixed focus
** WWAN models and HDR panel models can not support IR camera*

**Audio support**
HD Audio, Realtek® ALC3286 codec, Dolby® Audio™ Premium / stereo speakers, 1W x 2 / dual array microphone, headphone / microphone combo 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

**System Mgt *(opt)***
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**
*MobileMark® 2014:* 15.4 hrs
** Battery life varies significantly with settings, usage, & other factors*

**AC adapter**
45W or 65W USB Type-C AC adapter

**Light sensor**
Ambient Light Sensor

**G-sensor**
3D accelerometer

**Gyroscope**
3D gyrometer

**GPS**
GPS function is integrated into WWAN module

**Preload**
Windows® 10 Pro 64

**Limited warranty**
*One of the following, configurable by model:*
- 1-year depot repair service
- 3-year/1-yr battery depot repair service

**Mil-Spec test**
MIL-STD-810G military testing

**Environment**
EPEAT™ Silver; ENERGY STAR®; RoHS-compliant

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