

ThinkPad X280 20KF001RUK

Product
ThinkPad X280

Region
WE

Country
UK

Machine Type
20KF

TopSeller
TopSeller

Processor
Core i5-8250U (4C / 8T, 1.6 / 3.4GHz, 6MB)

Graphics
Integrated Intel UHD Graphics 620

Chipset
Intel SoC Platform

Memory
8GB Soldered DDR4-2400

Display
12.5" FHD (1920x1080) IPS 300nits Anti-glare

Multi-touch
None

Storage
256GB SSD M.2 2280 PCIe NVMe Opal2

Optane Memory
None

Optical
None

WLAN + Bluetooth
Intel 8265 11ac, 2x2 + BT4.1

WWAN
None

SIM Card
None

Smart Card Reader
Smart Card Reader

Monitor Cable
None

Bundled Accessories
None

Color
Black

Case Material
Carbon Fiber

Camera
720p

Keyboard
Backlit

Fingerprint Reader
Fingerprint Reader

NFC
None

TPM
Discrete TPM 2.0

Battery
Integrated 48Wh

Power Adapter
65W USB-C

System Management
None

Operating System
Windows 10 Pro 64

Bundled Software
None

Base Warranty
3-year, Depot

Upsell Service Bundles
None

End of Support
2024-03-06

Announce Date
2018-02-06

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 X280 Platform Specifications

Product Specifications Reference (PSREF)



| | | | | | | | | | | | |
|-------------------|---|------------|--------------|----------------|---------------------|-------|--------------|-------------------------------|---|---|--|
| Processor | 7th Generation Intel® Core™ i3 / i5 Processor * i3-7130U is NOT available in US and EMEA; i5-7200U is NOT available in US | | | | | | | Dimensions | WxDxH: 12.11" x 8.26" x 0.69-0.70"; 307.7mm x 209.8mm x 17.4-17.8mm | | |
| | Processor Number | # of Cores | # of Threads | Base Frequency | Max Turbo Frequency | Cache | Memory Types | Processor Graphics | Weight | FHD non-touch model: 2.49 lb / 1.13 kg; HD non-touch model: 2.78 lb / 1.26 kg; FHD multi-touch model: 2.79 lb / 1.27 kg | |
| | i3-7130U | 2 | 4 | 2.7 GHz | - | 3MB | DDR4-2133 | Intel HD Graphics 620 | Case color | Black | |
| | i5-7200U | | | 2.5 GHz | 3.1 GHz | 3MB | | | Case material | Display cover: Carbon Fiber (FHD non-touch model) or Glass Fiber (HD & FHD multi-touch model); | |
| | i5-7300U | | | 2.6 GHz | 3.5 GHz | 3MB | | | Bottom: Magnesium/Aluminum | | |
| | or 8th Generation Intel Core i3 / i5 / i7 Processor | | | | | | | Smart card reader | Optional: Smart card reader | | |
| | Processor Number | # of Cores | # of Threads | Base Frequency | Max Turbo Frequency | Cache | Memory Types | Processor Graphics | Media reader | MicroSD card reader, in the combo slot with nano-SIM card | |
| | i3-8130U | 4 | 8 | 2.2 GHz | 3.4 GHz | 4MB | DDR4-2400 | Intel UHD Graphics 620 | Ports | Two USB 3.1 Gen 1 (one Always On), one USB 3.1 Type-C Gen 1 (with the function of Power Delivery and DisplayPort), one USB 3.1 Type-C Gen 2 / Thunderbolt 3 (with the function of PD and DP), HDMI 1.4b, Ethernet extension connector, combo slot of nano-SIM card (WWAN models) and microSD card reader, headphone / microphone combo jack, optional smart card reader, side docking connector, security keyhole | |
| | i5-8250U | | | 1.6 GHz | 3.4 GHz | 6MB | | | * Depending on many factors, actual data transfer speed may be lower than theoretical speed | | |
| | i5-8350U | | | 1.7 GHz | 3.6 GHz | 6MB | | | Monitor cable (optional) | HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter | |
| | i7-8550U | | | 1.8 GHz | 4.0 GHz | 8MB | | | Bundled Accy | USB-C to VGA: Lenovo USB-C to VGA Adapter | |
| | i7-8650U | | | 1.9 GHz | 4.2 GHz | 8MB | | | Optional: ThinkPad Ethernet Extension Adapter Gen 2 | | |
| 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: 4096x2304@60Hz (USB Type-C); 4096x2160@30Hz (HDMI) | | | | | | | Camera (optional) | One of the following, configurable by model: • HD720p camera with ThinkShutter camera privacy, fixed focus • IR camera and HD720p camera, fixed focus | | |
| Chipset | Intel SoC (System on Chip) platform | | | | | | | Audio support | HD Audio, Realtek® ALC3287 codec / stereo speakers, 2W x 2, Dolby® Audio™ Premium / dual array microphone, headphone / microphone combo jack | | |
| Memory | 4GB, 8GB, or 16GB / 2400MHz DDR4 / soldered to systemboard, no sockets * 4GB memory is NOT available in US and EMEA * System clocks down for processors with lower memory controller | | | | | | | Keyboard | 6-row, spill-resistant, multimedia Fn keys, optional LED backlight TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad | | |
| Display | Some: 12.5" (317.5mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 400:1 contrast ratio Some: 12.5" (317.5mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle | | | | | | | Security | Power-on password, hard disk password, supervisor password, security keyhole | | |
| Multi-touch (opt) | On-cell touch, supports 10-finger gesture (FHD only) * FHD non-touch model is NOT available in US | | | | | | | Security chip vPro (optional) | Discrete TPM 2.0, TCG Certified | | |
| Storage | One of the following, configurable by model: • M.2 SSD / SATA 6.0Gb/s (e.g. xxxGB SSD M.2) • M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s (e.g. xxxGB SSD M.2 PCIe NVMe) | | | | | | | Fingerprint reader | Optional: Touch style match on chip fingerprint reader on the palm rest, anti-spoofing technology | | |
| Optane™ memory | None | | | | | | | NFC (optional) | Near Field Communication | | |
| Optical | None | | | | | | | Battery | Integrated Li-ion 48Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W USB Type-C AC adapter | | |
| Ethernet | Native Intel Ethernet Connection I219-V (Non-vPro) or I219-LM (vPro) via bundled or optional ThinkPad Ethernet Extension Adapter Gen 2 | | | | | | | Max battery life | MobileMark® 2014: 16.6 hr * Battery life varies significantly with settings, usage, & other factors | | |
| WLAN + Bluetooth™ | 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 | | | | | | | AC adapter | 45W or 65W USB Type-C AC adapter | | |
| WWAN (optional) | One of the following, configurable by model: • Integrated Mobile Broadband 4G LTE, Intel XMM™ 7262 (Fibocom L830-EB), M.2 card (EMEA only) • Integrated Mobile Broadband 4G LTE-A, Intel XMM™ 7360 (Fibocom L850-GL), M.2 card * For non-WWAN model, it means the model is NOT WWAN upgradable | | | | | | | Preload | Windows® 10 Home 64 or Windows 10 Pro 64 | | |
| SIM card (opt) | Nano-SIM card slot, in the combo slot with microSD card reader, optional Verizon LTE (US) SIM card | | | | | | | Limited warranty | One of the following, configurable by model: • 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 testing | | |
| | | | | | | | | Environment | EPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant | | |

Note: The specifications above may not be available in all regions.

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