# ThinkPad 13 (2nd Gen) 20J1004D++

**Region**
EMEA

**Machine Type**
20J1

**TopSeller**
TopSeller

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

**vPro**
No

**Graphics**
Integrated Intel HD Graphics 620

**Memory**
8GBx1

**Display**
13.3" FHD (1920x1080) IPS

**Multi-touch**
None

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

**Optical**
None

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

**Color**
Silver

**Camera**
720p

**Keyboard**
Non-backlit

**Fingerprint Reader**
None

**TPM**
dTPM 2.0

**Battery**
3-cell (42Wh)

**Power Adapter**
45W Slim Tip

**Operating System**
Windows 10 Pro 64

**Warranty**
1-year, Depot

**End of Support**
Apr 4, 2022

**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

**www.lenovo.com**

This publication was developed for products and services offered in the United States and E.M.E.A countries. Lenovo may not offer the products, services or features discussed in this document in other countries. Lenovo may withdraw an offering at any time. Information is subject to change without notice. Consult your local representative for information on offerings available in your area. Lenovo reserves the right to change specifcations or other product information without notice. Lenovo is not responsible for photographic or typographical errors. Lenovo provides this publication “as is” without warranty of any kind, either express or implied, including the implied warranties of merchantability or ftness for a particular purpose.

**http://psref.lenovo.com**
Visit psref website for the latest version of Product Specifcations Reference.

© Lenovo, 2018. All rights reserved.



# ThinkPad 13 (2nd Gen) Platform Specifications



**Processor**

Intel® Celeron® Processor or 7th Generation Intel Core™ i3 / i5 / i7 Processor

| Processor Number | # of Cores | # of Threads | Base Frequency | Max Turbo Frequency | Cache | Memory Types | Processor Graphics |
|---|---|---|---|---|---|---|---|
| Cel 3865U | 2 | 2 | 1.8 GHz | - | 2MB | DDR4-2133 | Intel HD Graphics 610 |
| i3-7100U | | 4 | 2.4 GHz | - | 3MB | | Intel HD Graphics 620 |
| i5-7200U | | | 2.5 GHz | 3.1 GHz | 3MB | | |
| i5-7300U | | | 2.6 GHz | 3.5 GHz | 3MB | | |
| i7-7500U | | | 2.7 GHz | 3.5 GHz | 4MB | | |

**Graphics**
Intel HD Graphics 610 or 620 in processor,
supports external digital monitor via HDMI or USB Type-C;
supports three independent displays;
Max resolution: 1920x1080 (HDMI)@60Hz, 3840x2160 (USB Type-C)@60Hz

**Chipset**
Intel SoC (System on Chip) platform

**Memory**
32GB max / 2133MHz DDR4, two DDR4 SO-DIMM sockets

**Display**
*Some:* 13.3" (338mm) HD (1366x768), anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 500:1 contrast ratio
*Some:* 13.3" (338mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle

**Multi-touch *(opt)***
On-cell touch, supports 10-finger gesture (FHD only)

**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)

**Optical**
None

**Ethernet**
Gigabit Ethernet via the accessional ThinkPad OneLink+ to RJ45 Adapter (4X90K06975) or ThinkPad OneLink+ to VGA/RJ45 adapter (4X90J31060) (by native Intel Ethernet Connection I219-V (*Non-vPro*) or I219-LM (*vPro*))

**WLAN**
Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card

**Bluetooth™**
Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter
* *Intel 8265ac card supports Bluetooth 4.2 but is limited to BT 4.1 by Windows OS*

**WWAN**
None

**Dimensions**
*WxDxH (silver):* 12.69" x 8.77" x 0.75"; 322.4mm x 222.8mm x 19.1mm
*WxDxH (black):* 12.69" x 8.77" x 0.78"; 322.4mm x 222.8mm x 19.8mm

**Weight**
Starting at 3.17 lb / 1.44 kg

**Case color**
Pure Black or Silver

**Case material**
*Black cover:* PC/ABS plastic;
*Silver cover:* Aluminum

**Smart card reader**
None

**Media reader**
4-in-1 reader (MMC, SD, SDHC, SDXC)

**Ports**
Three USB 3.1 Gen 1 (USB 3.0, one Always On), one USB Type-C, HDMI, Lenovo OneLink+ connector

**Camera**
HD720p resolution, low light sensitive, fixed focus

**Audio support**
HD Audio, Realtek® ALC3268 codec / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack

**Keyboard**
6-row, multimedia Fn keys, optional LED backlight

**UltraNav™**
TrackPoint® pointing device and buttonless Mylar surface touchpad, multi-touch

**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**
*Optional:* swipe style fingerprint reader on the palm rest

**Battery**
Integrated Lithium Polymer 3-cell *(42Wh)*

**Max battery life**
*MobileMark® 2014:* 14.56 hr

**AC adapter**
45W slim tip AC adapter

**Preload**
*Some:* Windows® 10 Home 64
*Some:* Windows 10 Pro 64
- Lenovo Companion
- Lenovo Setting
- Microsoft Office preloaded; purchase a product key to activate

**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 certification

**Environment**
EPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant

# ThinkPad 13 (2nd Gen)











