

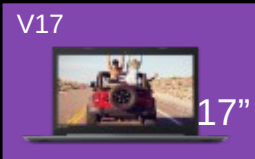
Lenovo. Новые ноутбуки и технологии для бизнеса

Леонид Смышляев

Lenovo

FQ3 Y20 – продуктовая линейка

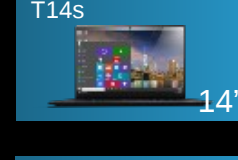
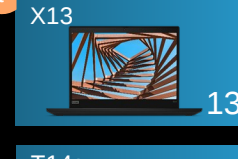
V series



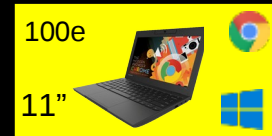
ThinkBook



ThinkPad



Education



FQ3 – главные новости

Новые модели

- V14/V15 IGL
- TB13s Gen2 ITL
- TB14/15 Gen2 ARE
- TB14/15 Gen2 ITL (только i7)
- TB14s Yoga ITL
- Thinkbook 15p
- Thinkpad 15p

FQ2-FQ3 переход на новые модели, продление актуальных

| Model | MT | Transition TO | Model | MT | SS |
|--------------------------|------|---------------|-------------------|------|-------------------|
| ThinkBook 14 IIL - i3/i5 | 20SL | = | ThinkBook 14 IIL | 20SL | already shipping |
| ThinkBook 15 IIL - i3/i5 | 20SM | = | ThinkBook 15 IIL | 20SM | already shipping |
| ThinkBook 14 IIL - i7 | 20SL | NEW | ThinkBook 14 ITL | 20VD | Oct 20th 2020 |
| ThinkBook 15 IIL - i7 | 20SM | NEW | ThinkBook 15 ITL | 20VE | Oct 20th 2020 |
| ThinkBook 14 ARE | 20VF | NEW | | | Sept 21st 2020 |
| ThinkBook 15 ARE | 20VG | NEW | | | Sept 21st 2020 |
| ThinkBook 13s IML | 20RR | NEW | ThinkBook 13s ITL | 20V9 | Oct 12th 2020 |
| ThinkBook 15p | 20VR | = | ThinkBook 15p | 20VR | Sept 14th 2020 |
| ThinkBook 14s Yoga | 20WE | NEW | | | Oct 30th 2020 |
| V15 ADA | 82C7 | = | V15 ADA | 82C7 | beg of March 2020 |
| V14 ADA | 82C6 | = | V14 ADA | 82C6 | Beg of March 2020 |
| V14 IIL | 82C4 | = | V14 IIL | 82C4 | Already shipping |
| V15 IIL | 82C5 | = | V15 IIL | 82C5 | Already shipping |
| V14 IGL | 82C2 | NEW | | | From Oct 2020 |
| V15 IGL | 82C3 | NEW | | | From Oct 2020 |
| V17 IIL | 82GX | = | V17 IIL | 82GX | Already shipping |
| V145 15 AST | 81MT | EOL | V15 IGL | 82C3 | already shipping |
| V155 15 API | 81V5 | EOL | V15 ADA | 82C7 | |
| V340 17 IWL | 81RG | EOL | V17 IIL | 82GX | |
| V14 IWL | 81YB | EOL | V14 IIL | 82C4 | |
| V15 IWL | 81YE | EOL | V15 IIL | 82C5 | |
| V14 IKB | 81YA | EOL | V14 IIL | 82C4 | |
| V15 IKB | 81YD | EOL | V15 IIL | 82C5 | |

ThinkBook 2020

Lenovo



ThinkBook 14/15 Gen2 - Основные преимущества



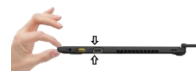
Уменьшились рамки
85% “экран-рамки”



Гибридное хранилище
по весу аналогичен моделям только с ССД



Сенсорный экран
Новая функция



14” – 17.9mm
15” – 18.9mm



Type-C Adapter



Enhanced KB & TP



Dual SSD Slots
(optional)



BT Earbuds
(optional on ITL 15”)

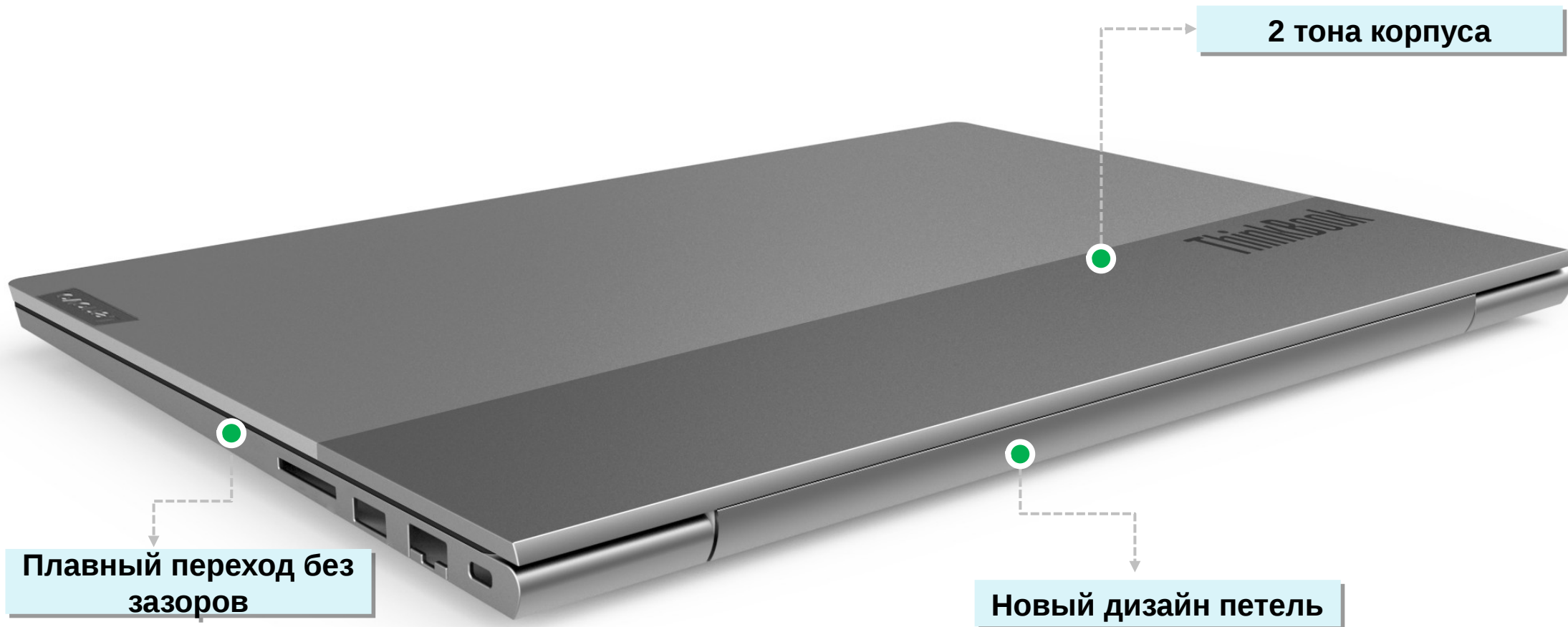


Smart Power Button



Wifi 6
(optional)

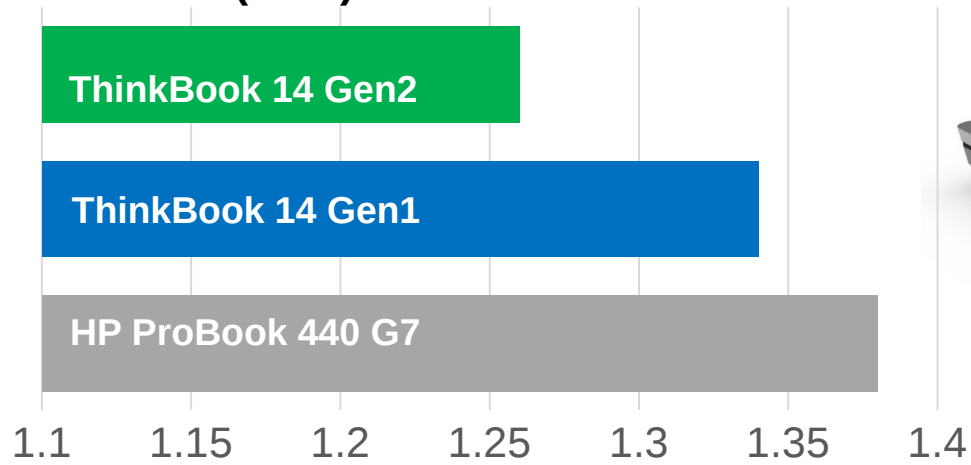
Новый дизайн корпуса



ThinkBook 14 Gen2 – Гибридное хранилище, корпус еще меньше

14 inch

Volume (Liter)



| | Type | X (mm) | Y (mm) | Z (mm) | Volume (L) |
|-------------------|--------------------|--------|--------|--------|------------|
| ThinkBook 14 Gen2 | SSD+HDD Dual Drive | 324 | 218 | 17.9 | 1.26 |
| ThinkBook 14 Gen1 | SSD+HDD Dual Drive | 326 | 230 | 17.9 | 1.34 |
| HP ProBook 440 G7 | SSD+HDD Dual Drive | 324 | 238 | 18 | 1.38 |

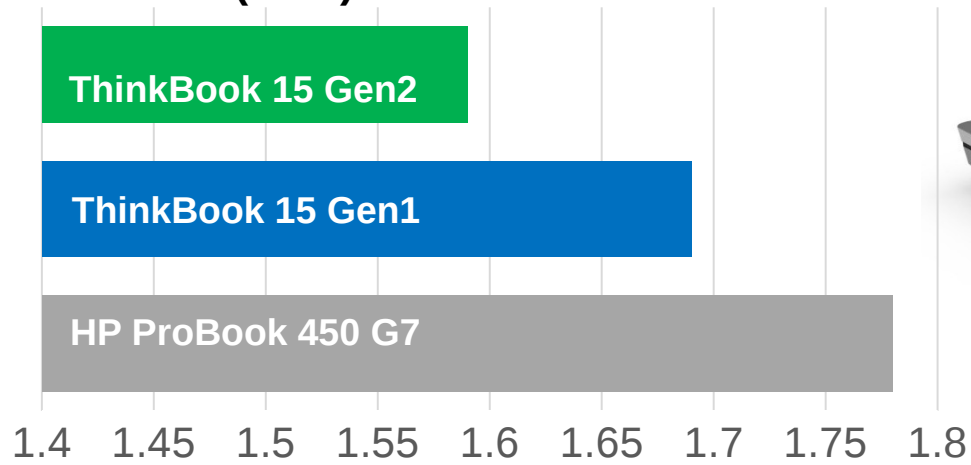
Picture just for reference, to be updated

ThinkBook 15 Gen2 - Гибридное хранилище, корпус еще меньше

15 inch



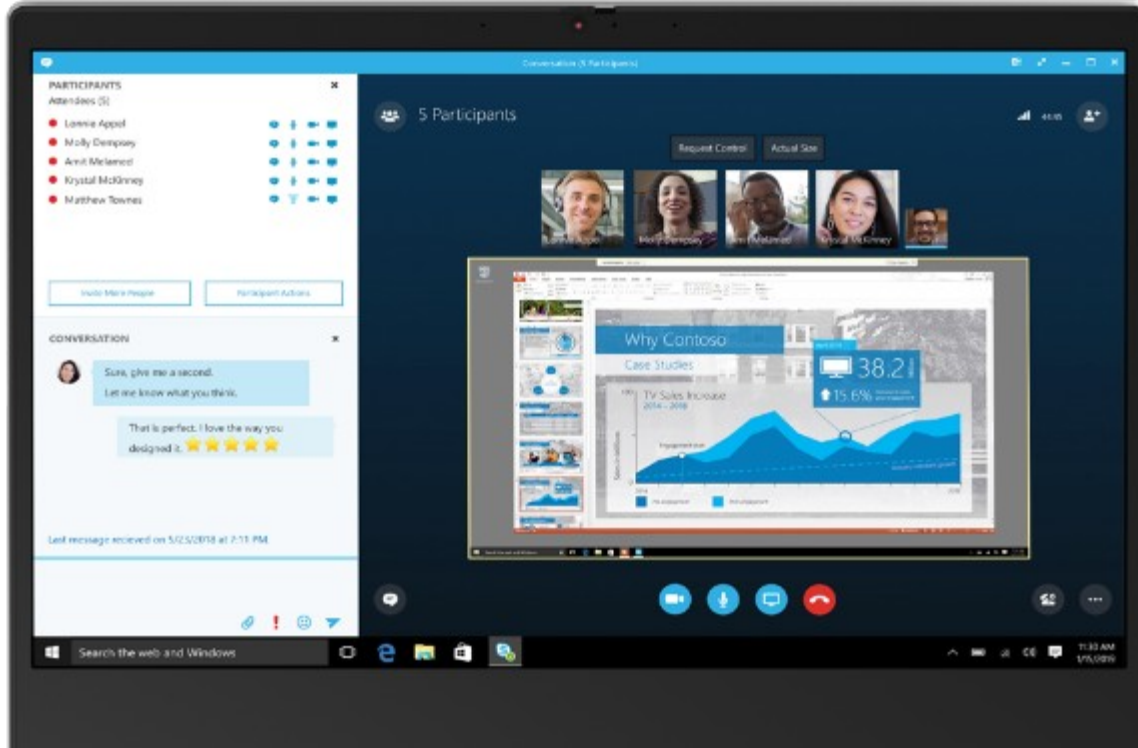
Volume (Liter)



| | Type | X (mm) | Y (mm) | Z (mm) | Volume (L) |
|-------------------|--------------------|--------|--------|--------|------------|
| ThinkBook 15 Gen2 | SSD+HDD Dual Drive | 357 | 235 | 18.9 | 1.59 |
| ThinkBook 15 Gen1 | SSD+HDD Dual Drive | 364 | 245 | 18.9 | 1.69 |
| HP ProBook 450 G7 | SSD+HDD Dual Drive | 365 | 257 | 19 | 1.78 |

ThinkBook 14 Gen2 - рамки стали тоньше

Gen1



STB ratio: 80%
L/R bezel: 6mm
Top bezel: 12mm
Down bezel: 24mm
Y: 230mm

Gen2



STB ratio: 85%
L/R bezel: 5mm
Top bezel: 8mm
Down bezel: 16mm
Y: 218mm

Picture just for reference, to be updated

ThinkBook 15 Gen2 - рамки стали тоньше

Gen1



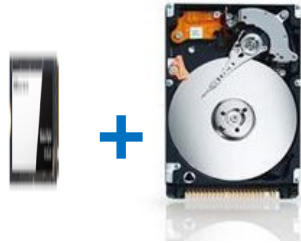
STB ratio: 83%
L/R bezel: 7mm
Top bezel: 12mm
Down bezel: 18mm
Y: 245mm

Gen2

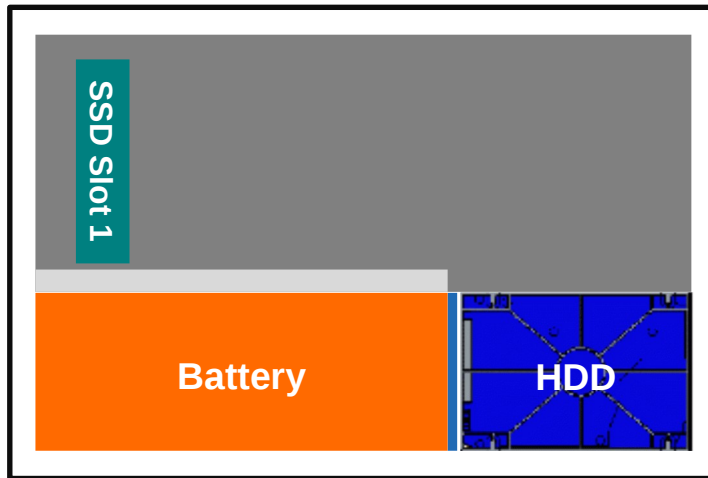


STB ratio: **88%**
L/R bezel: **5mm**
Top bezel: **8mm**
Down bezel: **12mm**
Y: **235mm**

ThinkBook 14/15 Gen2 - 3 варианта конфигурации

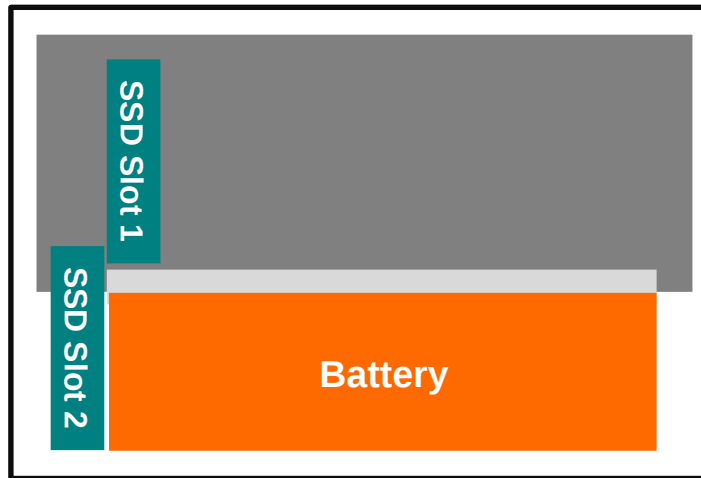


HDD+SSD



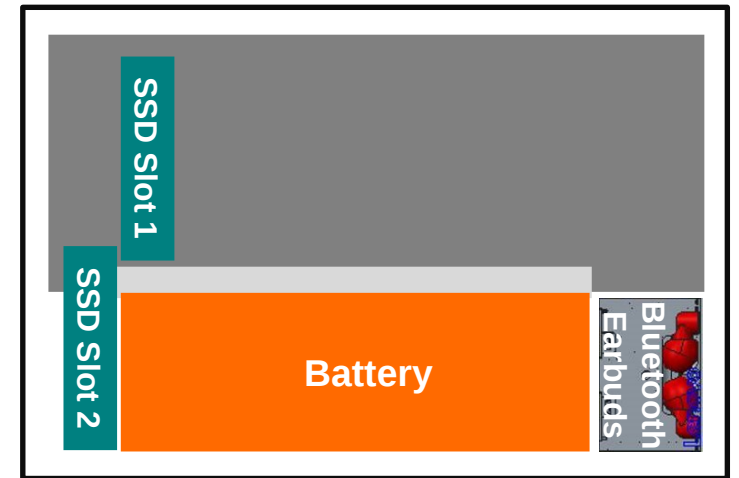
SSD + HDD
45Wh Battery

2 x SSD



Dual SSD Slots
45Wh / 60Wh Battery

BT-наушники (только TB15 ITL)

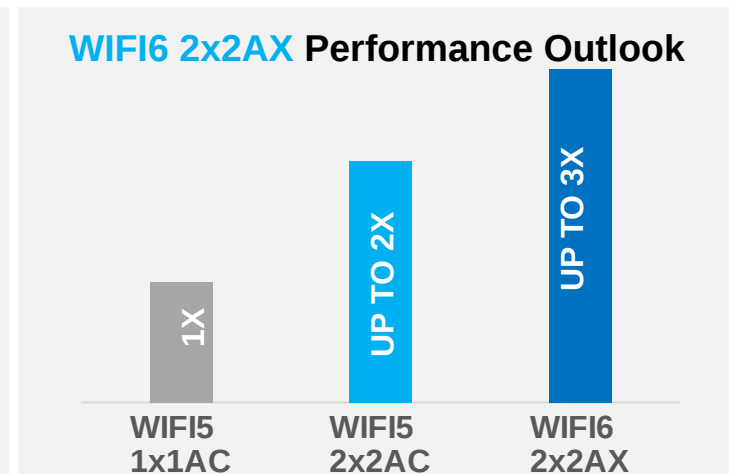
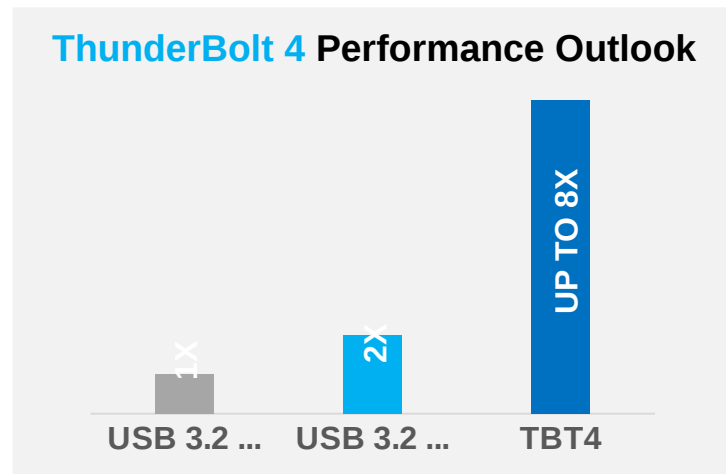
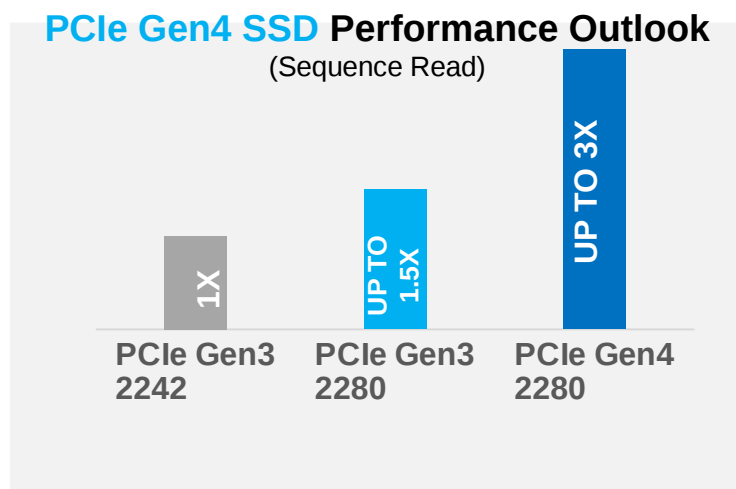


Dual SSD Slots
60Wh Battery

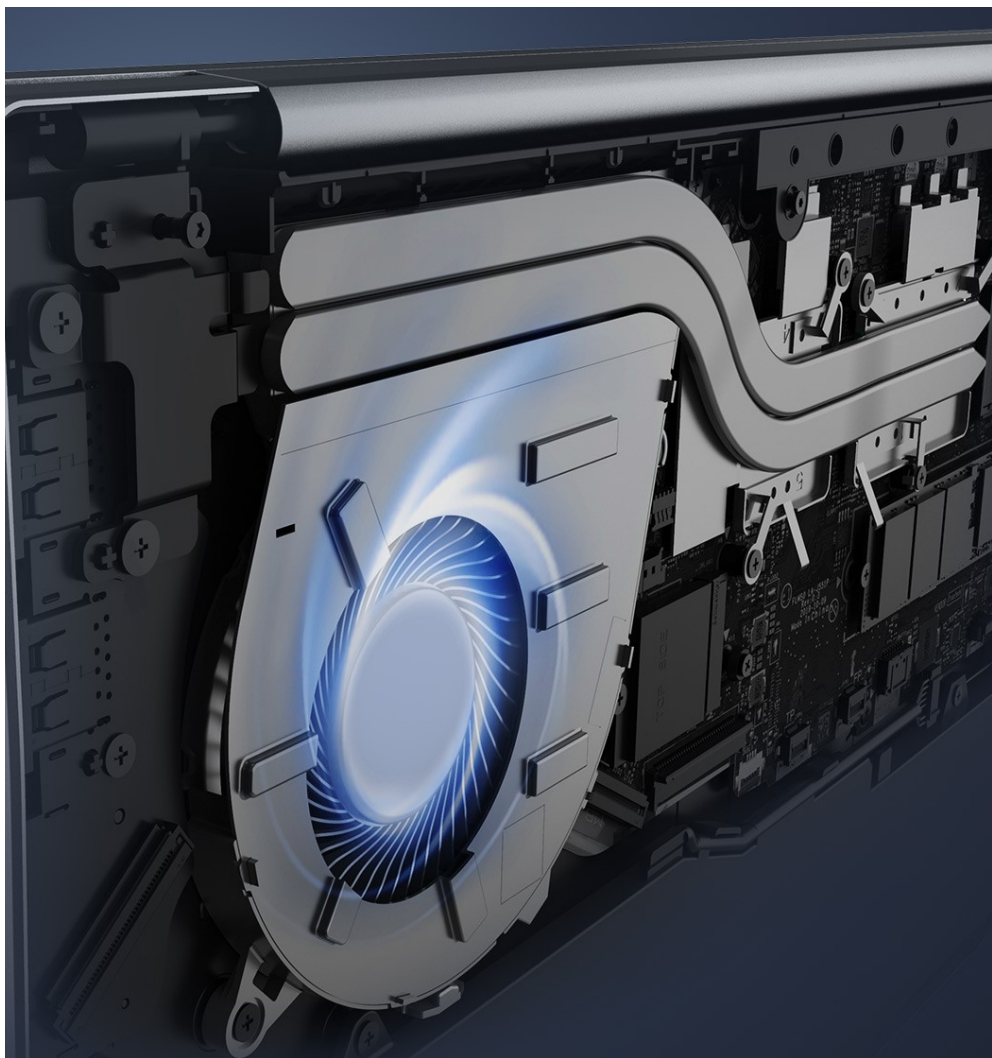
ThinkBook 14/15 Gen2 - основные преимущества



| | PCIe Gen4x4 – быстрый SSD | ThunderBolt 4 | NV MX450 w/ GDDR6 | WiFi6 2x2AX | Новая система охлаждения |
|------------------------------------|---------------------------|---------------|-------------------|-------------|--------------------------|
| ThinkBook Gen2 ITL | Yes | Yes | Yes | Yes | Yes |
| Бюджетные ноутбуки других вендоров | No | No | No | No | No |



ThinkBook 14/15 Gen2 - Новая система охлаждения



Кулер на 50% больше
чем ThinkBook Gen1*

Сдвоенные трубки
Одинарная в Gen 1

Теплоемкость
50% больше, чем в Gen1*

Gen2 14" ITL vs. Gen1 14" IML, Discrete Model, Performance Mode
Picture just for reference, to be updated

ThinkBook 14/15 Gen2 - конкурентные преимущества

Петли открываются на 180 градусов

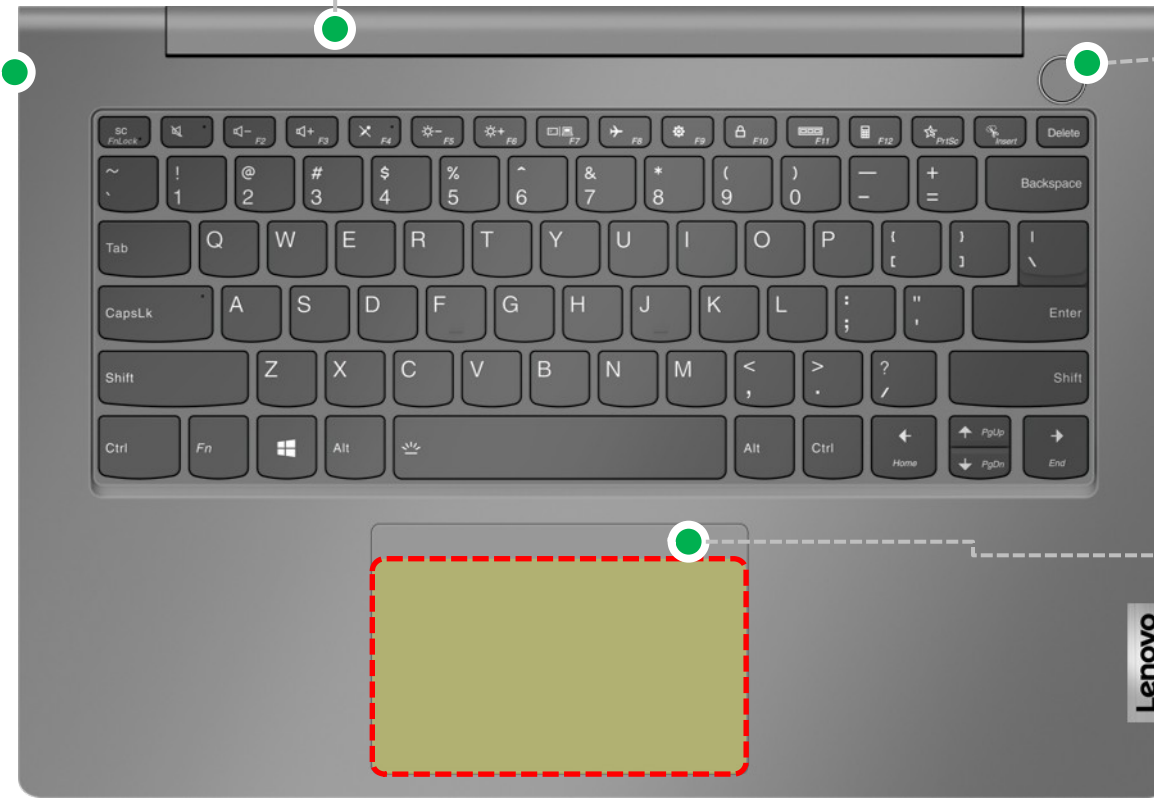
VS.

Макс. угол открытия 135 градусов

TBT + Type-C *

VS.

Один Type-C (занят под зарядку)



Полноразмерная кнопка включения с индикацией и сканером отпечатка

VS.

Узкая кнопка включения без сканера и индикации

Большой тачпад 105x70mm

VS.

Маленький тачпад 105x64mm

Lenovo

Другие производители

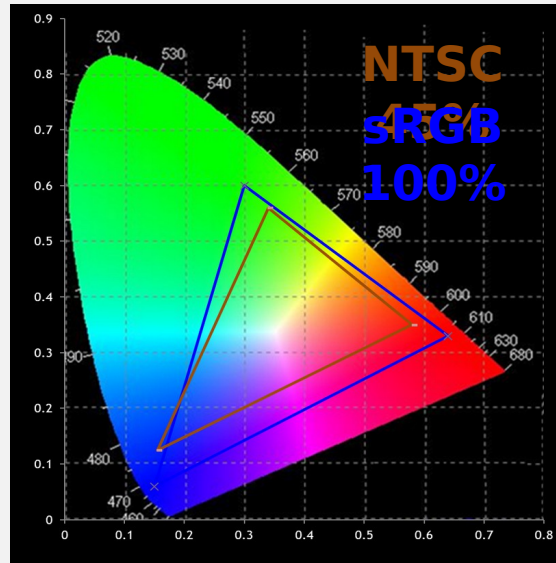
Lenovo™

* Thinkbook AMD = 2x Full Function Type-C

ThinkBook 14/15 Gen2 - новые экраны



Low Blue Light
TUV Certified



Vivid Color
100% sRGB 300nits
(Optional)



Flicker Free
Brightness
Control by DC

ThinkBook 14/15 Gen2 - Сенсорные экраны во всей линейке



| Модель | Сенсорный экран |
|---------|-----------------|
| 14" ITL | Yes |
| 15" ITL | Yes |
| 14" ARE | Yes |
| 15" ARE | Yes |

ThinkBook 14/15 Gen2 - Гибкость конфигурирования



Memory

Onboard + 1xDIMM
Support up to 40GB* DDR4
3200Mhz

HDD

For Dual Drive Mode
Up to 2TB 5400rpm
or 1TB 7200rpm

SSD

Dual SSD Slots
For Enhanced SSD Mode
Support up to 1TB PCIe
Gen4x4**+1TB PCIe Gen3x2

*8GB onboard + 1x32GB module, 32GB module qualified but not offered as SBB

**PCIe Gen4x4 slot only available on ITL, PCIe Gen3x4 on ARE.

ThinkBook 14/15 Gen2 - порты (ITL - Intel)



USB3.2 Gen2 Full Function Type-C
 TBT4
 HDMI
 USB3.2 Gen1 w/AOU
 Audio Jack



4 in 1 Card Reader
 USB3.2 Gen1
 1000M LAN RJ45
 Kensington Lock
 NanoSaver

| Gen1 | Gen2 |
|----------------------------------|--|
| USB3.2 Gen1 Type A w/ Always On | USB3.2 Gen1 Type A w/ Always On |
| USB3.2 Gen1 Type A | USB3.2 Gen1 Type A |
| Hidden USB2.0 | Hidden USB2.0 |
| USB3.2 Gen2 Full Function Type-C | 1xTBT4* +1xUSB3.2 Gen2 Full Function Type-C |
| USB3.2 Gen1 Type-C | |
| Rectangle DC-IN | |
| HDMI | HDMI |
| RJ45 | RJ45 |
| 4in1 Card Reader | 4in1 Card Reader |

* AMD ARE platform is 2xUSB3.2 Gen2 Full Function Type-C, no TBT4
Picture just for reference, to be updated



ThinkBook15 Gen2 - Первый в индустрии ноутбук с ВТ наушниками



- **Полная интеграция**

- Наушники в корпусе хранятся и заряжаются
- Автоматическое сопряжение с ноутбуком в момент открытия трея
- Автоматическое переключение на динамики при закрытии трея с наушниками внутри
- Предустановленное приложение Earbuds app, контроль зарядки и состояния

- **Удобные наушники**

- Двойной микрофон для активного шумоподавления
- Долгое время работы от аккумулятора
- Двойное касание, чтобы отключить микрофон, снять трубку или повесить трубку.

Picture just for reference, to be updated

Available for ThinkBook 15 Gen2 ITL only

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Designed For Business

Security



- Smart Power Button with FPR
- ThinkShutter
- Firmware TPM
- Hardware TPM (tech ready for special bid)
- APS (TBD)
- Kensington Lock (NanoSaver)
- I/O Port Access Control
- Secure Wipe
- HDD Password

Manageability



- WMI Support for BIOS Setup
- SCCM Driver Support
- Support Asset Tag
- Support AutoPilot *
- Wake On Lan

Quality



- Commercial Quality
- MIL-STD (12 methods, 22 procedures)

Service



- Think Service
- Hardware Diagnostic Tool

**Need customer buy AutoPilot service from Microsoft .*

ThinkBook 14/15 Gen2 спецификации

| Features | ThinkBook14 Gen2 | ThinkBook15 Gen2 |
|--------------------|--|-----------------------|
| Dimensions Target | Target 323x218x17.9mm | Target 357x235x18.9mm |
| STB Target | 85% | 88% |
| A Cover | Metal | Metal |
| B Cover | Texture | Texture |
| C Cover | Painting | Painting |
| D Cover | Metal | Texture |
| Form Factor | Clamshell, dual drive, SSD+HDD | |
| 180 Degree Hinge | Yes | |
| Platform | ITL UMA & DIS, ARE UMA | |
| LCD Panel | IPS FHD / TN FHD, optional touch IPS FHD on metal model / 100% sRGB IPS FHD on metal model | |
| Optional DGPU | ITL - NV MX450 with GDDR6, ARE - UMA only | |
| Memory | DDR4, Onboard Memory + 1 x SODIMM | |
| Storage Capability | HDD, Dual M.2 SSD slot, ITL - PCIe4x4+PCIe3x2(not support Optane), ARE - PCIe3x4+PCIe3x2 | |
| Battery | 45Wh / 60Wh (for selected model), use MM2018 as benchmark | |
| Keyboard | Normal / Backlit, add Fn Lock and service hotkey | |
| One Piece Clickpad | PTP Touchpad | |
| FPR | FPR on Smart Power Button | |
| dTPM | Optional | |
| LAN | 1000M / RJ45 | |
| WLAN | 2x2AC WIFI5 / 2x2AX WIFI6 | |
| Modern Standby | ITL - Yes for pure SSD model, Disconnected Modern Standby for HDD model, ARE - No | |
| Card Reader | Yes, SD card, 4 in 1 | |
| Camera | 4mm, 720P with privacy shutter | |
| MIC | Dual Array MIC | |
| HDMI Port | Yes | |
| USB Port | ITL - 1xTBT4 + 2xUSB3.2 Gen1(one support AOU) Type A + 1xUSB3.2 Gen2 full function Type-C; ARE - 2xUSB3.2 Gen1(one support AOU) Type A + 2xUSB3.2 Gen2 full function Type-C | |
| Audio Port | MIC&Speaker Combo | |
| AC Adapter | Normal Type-C adapter 65W (159cc) / Mini Type-C adapter 65W (89cc) | |
| APS | Yes | |
| K-lock | Yes, NanoSaver | |
| Innovation Feature | BT Earbuds (ThinkBook15 ITL only) | |
| OS | Win10, No free DOS, Support no OS SKU | |

Конкуренты



ThinkBook – производительный ноутбук










Стильный, компактный, модное слово «креаторы»



*Picture just for reference, to be updated

ThinkBook 15p основные преимущества



| | | |
|--|--|--|
|  <p>H+GTX Platform Intel 10th Gen IMH i5/i7 GTX1650/1650Ti MaxQ</p> |  <p>Компактность 19.9mm/ 1.99kg</p> |  <p>Новый дизайн 2-Tone/ Diamond Cut</p> |
|  <p>Супер-яркий дисплей вплоть до UHD, 600nits</p> |  <p>VESA HDR400 Сертификат (для UHD)</p> |  <p>Калибровка на заводе Для UHD</p> |
|  <p>Безопасность Сканер и шторка</p> |  <p>Wifi6</p> |  <p>Режим турбо-производительности</p> |

Ноутбук для фото и видеомонтажа, creators

Мощные процессоры



i7-10750H vs i7-7700HQ

- До 35% быстрее монтаж



*Source: Intel

Мощные видеокарты



GTX1650 MaxQ & GTX1650Ti

*Source: Intel

Wifi6



Новый стандарт Wifi дает трехкратный прирост скорости приема-передачи

Турборежим



До 70W TDP , всего 42db шум. Работа на полной мощности без сбоев

Новый дизайн Thinkbook

Алюминиевая крышка экрана





Aluminum A/D Cover | 1.99kg / 19.9mm



*Picture just for reference, to be updated



DC-in

RJ45

HDMI2.00

USB-A
3.2 Gen 1

Audio
Combo

USB-C3.2 Gen 1
(Data Transfer Only)



Card Reader

USB-A
3.2 Gen 1

Side Thermal

K-Lock

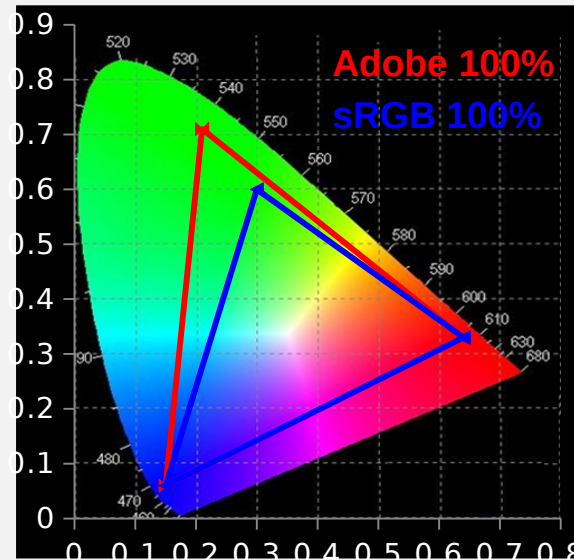
Новые экраны, фокус на качество изображения



High Resolution

FHD 1920*1080/141.2PPI

UHD 3840*2160/ 282PPI



Wide Color Gamut

FHD - 100%sRGB

UHD - 100%Adobe

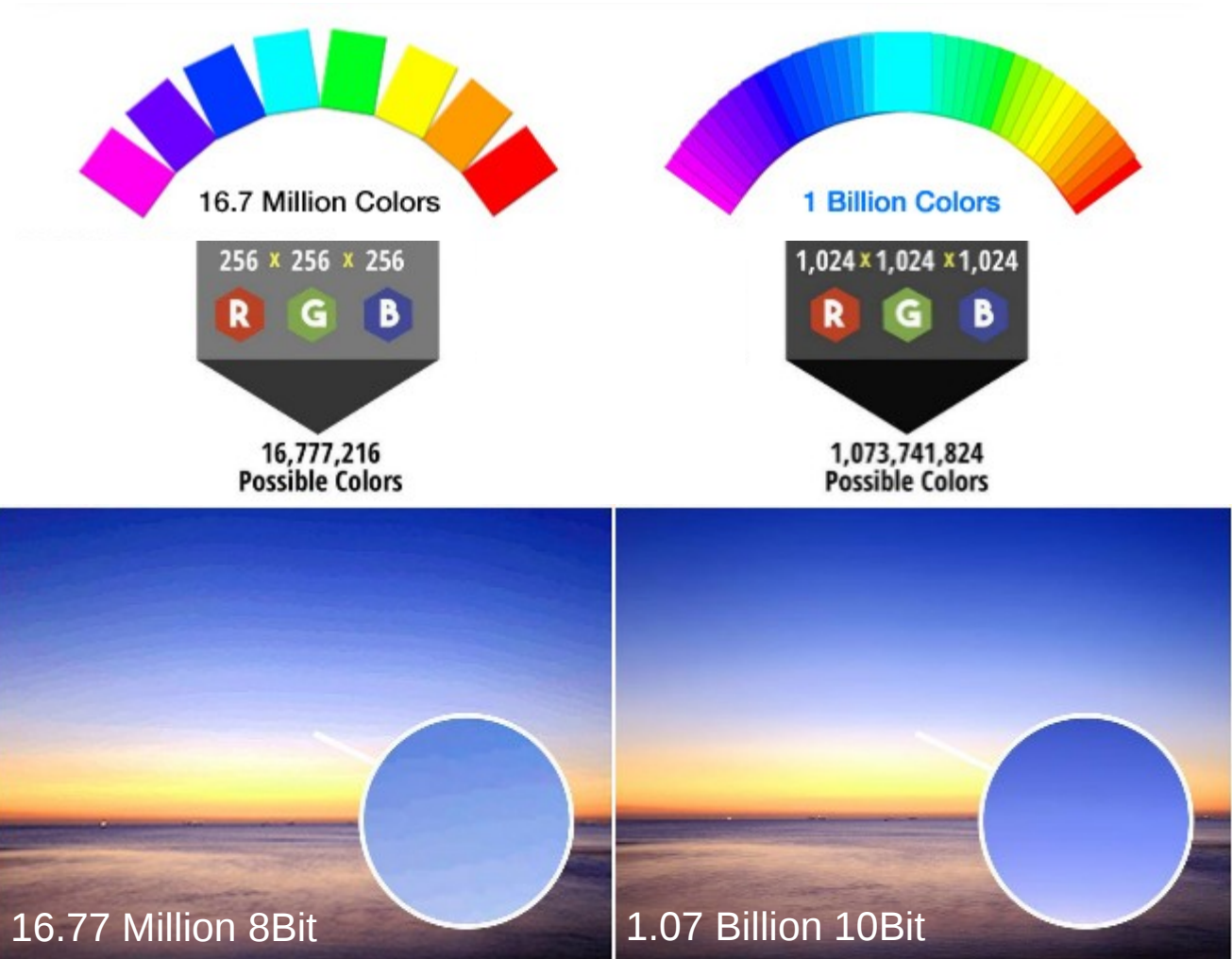
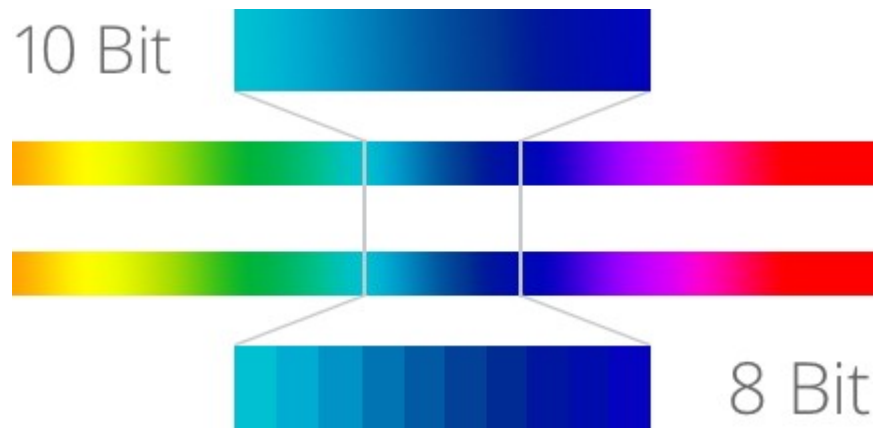


Eye Care (FHD/ UHD)

DC Brightness Control

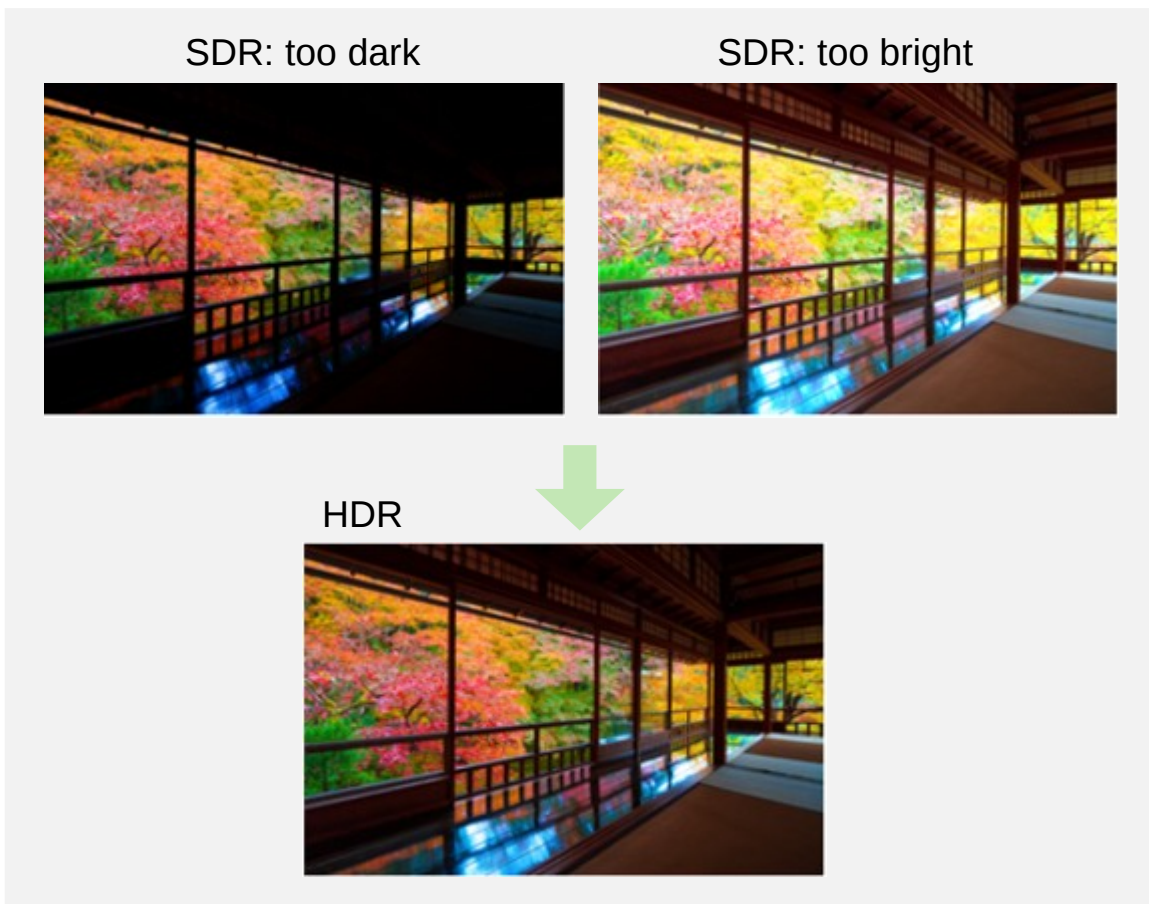
Flicker Free

Display Colors x **64** times



VESA Certified High Dynamic Range 400 (HDR400)

UHD IPS 100%Adobe Panel



- TB15p UHD экран сертифицирован VESA HDR400
- HDR400 в сравнении с SDR (Standard Dynamic Range):
 - И темные, и светлые тона более глубокие
 - Более детальная картинка
 - Больше оттенков цвета
 - Более реалистичная, привычная человеческому глазу картинка

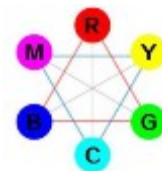
Калибровка экрана на фабрике

UHD IPS 100%Adobe Panel w/ Color Calibration

Before Color Calibration



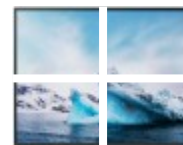
After Color Calibration



Калибровка по технологии RGB-CMY color calibration Delta E < 2 (Adobe color gamut)



Обязательная калибровка всех ноутбуков с UHD экраном на оборудовании X-Rite



Одинаковая корректная цветопередача на всех экранах (только для UHD экрана)

Новая система управления энергопотреблением

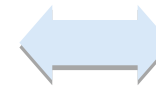
Для турбо-режима либо долгой автономной работы
Доступ из Lenovo Vantage Toolbar или Fn+Q



Fn+Q



Fn+Q



Extreme Performance

- Maximize CPU+GPU

Intelligent Cooling

- Auto performance switch

Battery Saving

- Cool & Quiet
- Longer battery life

ThinkBook 15p спецификации



| | ThinkBook 15p Specs Targets |
|---------------|--|
| Weight & Size | 1.99kg; 359 x 249.5 x 19.9mm |
| Cover | A/D cover Metal; B/C cover Plastic |
| Platform | Intel Comet Lake-H i5/ i7 |
| Graphic | NV GTX1650 MaxQ, 4GB GDDR6 NV GTX1650Ti MaxQ, 4GB GDDR6 |
| TDP Request | 70W (30+40 □ 20W+50W with Dynamic Boost) |
| Display | FHD IPS WVA 300nits, 100%sRGB, w/o Color Calibration UHD IPS WVA 600nits, 100%Adobe, w/ Color Calibration |
| Memory | DDR4, 2 DIMMs, up to 32GB |
| Storage | Dual SSD. M.2 PCIe-NVMe SSD 256GB/ 512GB/ 1TB |
| Camera | 720p Camera/ Camera Shutter/ Dual Array Mics (No IR Camera) |
| WLAN | WiFi5/ WiFi6 |
| Touchpad | 104*69, Mylar Top Surface |
| Battery | 57Whr; 6.5Hr with MM18 |
| Adapter | 135W, square connector (288cc); Fast Charge 1hr 80% |
| Speakers | 2x2W/ Branded Speaker: audio by HARMAN |
| Keyboard | Backlit w/ num Pad |
| I/O Ports | 1 x USB-C (3.2 Gen 1, 5Gbps)/ 2 x USB 3.2 Gen 1, 5Gbps/ 1 x HDMI2.0 (18Gbps)/ RJ45/ Combo Mic Audio Jack / Card reader |
| Security | fTPM; ThinkShutter; FPR on Power Button |
| MIL-810G | Yes (ready on wk10/26) |

Adobe Creator Offering



Creator Offering

- 30 дней бесплатно
- Заказчик выбирает:
 - a) Creative Cloud Photography Plan
Photoshop and Lightroom + 20GB в облаке (\$10)
 - b) Premiere Rush - ПО для создания онлайн видео (\$9.99)
- Adobe полностью компенсирует стоимость
- Доступно в России и СНГ (но это неточно)



ThinkBook 15p КОНКУРЕНТЫ

ThinkBook 15p vs конкуренты

ThinkBook 15p



New Vostro 15 7500



Acer ConceptD3



| | | | |
|-----------------|---|---|--|
| Panel | FHD; 300nits; 100%sRGB UHD; 600nits; 100%Adobe; color calibration | FHD; IPS 300nits; 100%sRGB | FHD; 300nits (Delta E<2, Pantone) |
| Narrow Bezel | Narrow bezel | Narrow bezel | Narrow bezel |
| CPU | 10 th Gen Intel Comet Lake-H i5/i7 | 10 th Gen Intel Comet Lake-H i5/i7 | 9 th Gen i5/i7 |
| Graphics | NV GTX 1650/ 1650Ti MaxQ with Dynamic Boost | NV GTX 1050/ 1650Ti | NV GTX1650 |
| Storage | Dual SSD, up to 2TB | Dual SSD, up to 2TB | 1TB SSD + 2TB HDD |
| Memory | DDR4, 2 DIMMs, up to 32G, 2933MHz | DDR4, On board+1DIMM, up to 24GB, 2933MHz | DDR4, 2 DIMMs, up to 32G, 2933MHz |
| I/O | 1xUSB-C (USB 3.2 Gen 1 only)/ 2xUSB 3.2 Gen 1/ 1xHDMI2.0 (18Gbps)/ RJ45 / Combo Mic & Audio Jack / Card reader | 1xType-C (TBT) / 2xUSB 3.2 Gen 1/ 1xHDMI2.0/ no RJ45 / Combo Mic & Audio/ Micro SD card reader | 1xType-C(TBT) / 2xUSB3.2 Gen 1/ 1xUSB2.0 / 1xHDMI2.0/ miniDP/ RJ45 / Combo Mic & Audio |
| Security | Touch FPR on power button/ ThinkShutter | Touch FPR on power button/ Privacy Shutter | Touch FPR on Palm Rest/ No Shutter |
| Wireless | Wifi5/ Wifi6 | Wifi5/ Wifi6 | Wifi6 |
| Battery | 57Whr | 56Whr/ 97Whr | 55Whr |
| Adapter | 135W (square connector) | 130W | 135W |
| Keyboard | Backlight KB | Backlight KB (Integrated FPR & Power Button) | Backlight KB (Integrated FPR & Power Button) |
| Dimensions | 359 x 249.5 x 19.9mm | 356.1 x 234.5 x 18.9mm | 363.4 x 254.5 x 20.85 |
| Starting Weight | 1.99kg | 1.9kg | 2.1kg |
| Starting Price | \$999 | \$1,049 | \$999 |

ThinkBook 15p сравнительные бенчмарки

| | Thinkbook15p (GTX1650Ti MaxQ enable Dynamic Boost) | | Dell Inspiron 7501 (GTX1650Ti) – PRC New Vostro 15 7500 share MB & the same Z | | Acer ConceptD3 (GTX1650) | |
|----------------------------|---|---|---|---|---|---|
| | Extreme mode | Intelligent mode | Extreme mode | Intelligent mode | FPU+Furmark | 3Dmark fire strike |
| Z height | 20.2 | 20.2 | 19.9 | 19.9 | 20.85 | 20.85 |
| Accousitic | 42dB | 40dB | 42.2dB | 40.4dB | 36.1dB | 32.6dB |
| CPU Temp | Average 76C, Max77C | Average 72C, Max74C | Average 98C, Max100C | Average 88C, Max100C | Average 84C | Average 71C |
| GPU Temp | Average 76C, Max77C | Average 74C, Max75C | Average 86C, Max87C | Average 86C, Max87C | Average 86C | Average 76C |
| Skin Temperature (Delta T) | <ul style="list-style-type: none"> • palm rest 39.1C • Keycap 47.5C • C surface 49.2C • D surface 50.4C | <ul style="list-style-type: none"> • palm rest 37.9C • Keycap 44.6C • C surface 47.7C • D surface 48.4C | <ul style="list-style-type: none"> • palm rest 40.9C • Keycap 50.3C • C surface 54.5C • D surface 57.7C | <ul style="list-style-type: none"> • palm rest 39.5C • Keycap 50.5C • C surface 53.7C • D surface 55.5C | <ul style="list-style-type: none"> • palm rest 33.1C • Keycap 47.7C • C surface 50.4C • D surface 59.9C | <ul style="list-style-type: none"> • palm rest 33.7C • Keycap 46.9C • C surface 49.7C • D surface 59.6C |
| Cinebench R15 | 875cb | 863cb | 747cb | 755cb | 861 | |
| Cinebench R20 | 2050cb | 2000cb | 1838cb | 1820cb | 1886 | |
| Fire stike | 8785 | 8782 | 8556 | 8589 | 8137 | |
| Time spy | 3700 | 3608 | 3573 | 3545 | 3582 | |
| 3D Mark11-overall | P12322 | P12303 | P10489 | P10373 | P11942 | |
| 3D Mark11-physical | 9737 | 9665 | 6469 | 6333 | 9030 | |
| 3D Mark11-graphic | 13506 | 13501 | 13101 | 13036 | 13224 | |
| CPU+GPU TDP | 20W+50W | 15W+50W | 22.6W+45.4W | 14.9W+47.3W | 25W+50W | 12.8W+50W |



ThinkBook 15r

Конфигурации

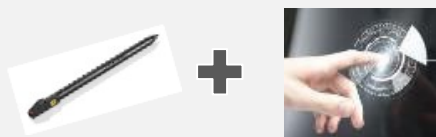
THINKBOOK YOGA



ThinkBook 14s Yoga - Основные преимущества



Тонкий и легкий
16.9mm, 1.5kg



Стилус в комплекте



Тонкие рамки
86% "экран-рамки"



**1 x Thunderbolt
1 x Full Function
Type-C**



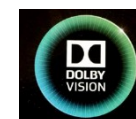
60Whr



**Dual SSD
Slot**



**Side FPR on
PWR**



Dolby Vision



**Modern Standby
Wake On Voice**

ThinkBook 14s Yoga спецификации

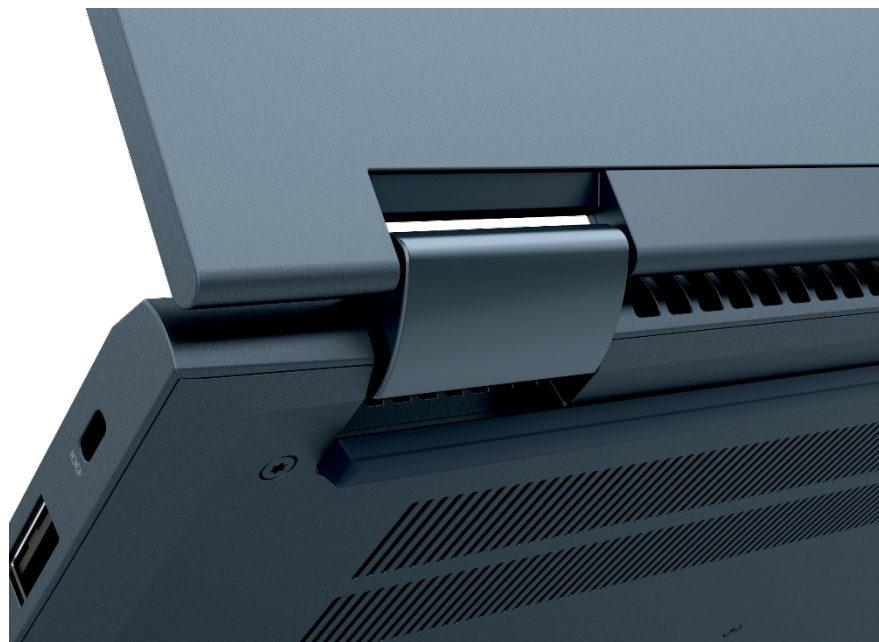
| Specification | ThinkBook 14s Yoga |
|---------------|---|
| Dimensions | 321 x 217 x 16.9mm; >1.5 kg |
| STB Target | Narrow Bezels (86% STB) |
| Covers | A/C/D Metal, B Touch Glass |
| Platform | Intel TGL-U UMA 24W TDP |
| LCD Panel | 14" Touch FHD IPS Glass, 300nits, 100% sRGB, Dolby Vision |
| Memory | DDR4 Dimm + Down up to 24GB (8GB onboard + 16GB so Dimm) |
| Storage | Dual M.2 SSD Slot (up to 1TB SSD) |
| Battery | 60wh battery, Target Up to >12hrs (60wh) |
| Keyboard | FnLock w/ LED; Service Hot Key |
| FPR | Side Power Button with FPR |
| Wlan | Up to WIFI 6, Support Modern Standby |
| Ports | 1x TBT4, 1x USB-C Full Function , 2x USB 3.1(one is AOU), Audio, HDMI, MicroSD Card Slot, K-lock |
| Camera | 720P with Privacy Shutter |
| Speaker + Mic | Harman Speaker , Dual Array MIC |
| Adaptor | 65W Type-C Adaptor |
| Pen | Integrated Smart Pen (Default) |

ThinkBook 14s Yoga - фото





ThinkBook Yoga Limited Edition



Abyss Blue

Старт отгрузок с фабрик: 16 ноября 2020

ThinkBook 14s YOGA | Abyss Blue



ThinkBook 14s YOGA | Abyss Blue



ThinkBook 14s YOGA | Abyss Blue



ThinkBook 14s YOGA | Abyss Blue



ThinkBook 14s YOGA | Abyss Blue



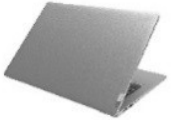




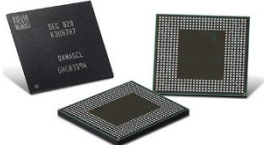

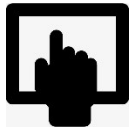




ThinkBook 14s YOGA | Abyss Blue



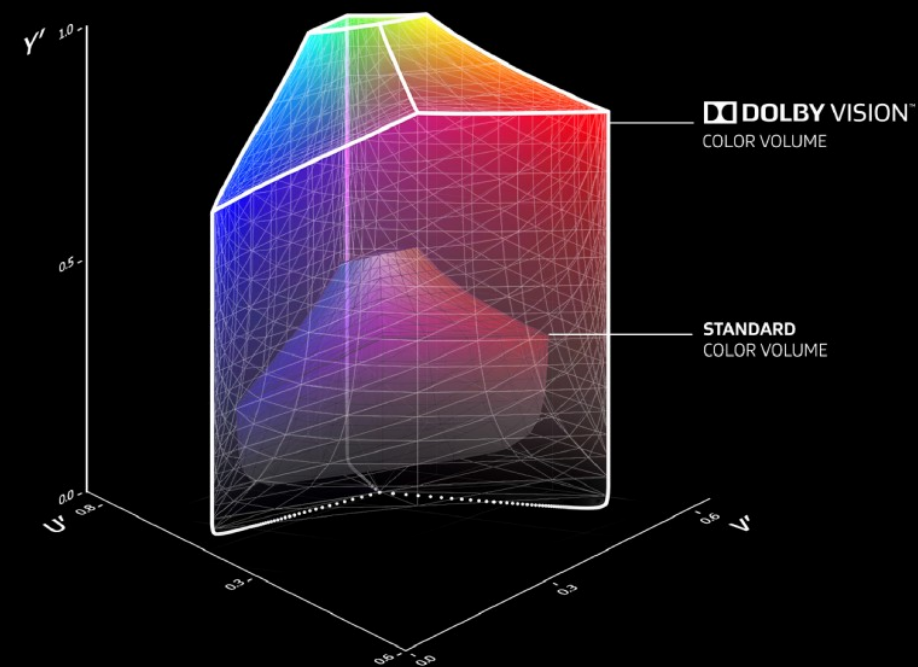
ThinkBook 13s Gen2 основные преимущества



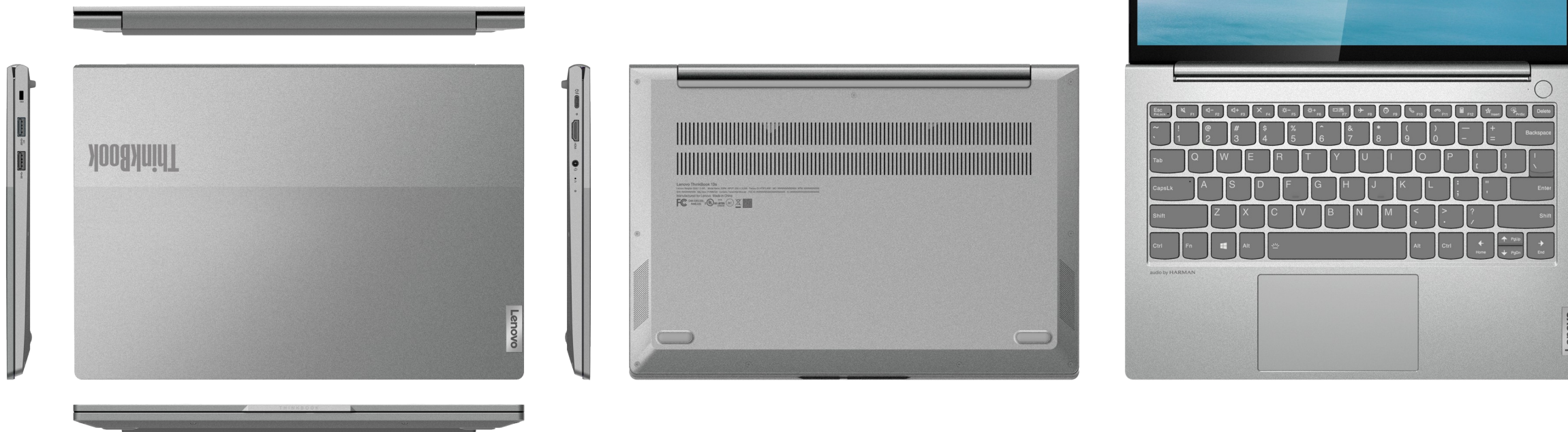
| | | |
|---|--|--|
|  <p>безрамочный (STB >90%) 13" 16:10 (WQXGA & WUXGA)</p> |  <p>Thin & Light 13" 14.9 mm / 1.36 kg</p> |  <p>Metal Cover A/C/D</p> |
|  <p>Thunderbolt 1 x Thunderbolt 4</p> |  <p>Порты 2xUSB-A / HDMI</p> |  <p>Enhanced Speaker & Mic</p> |
|  <p>Wi-Fi 6 Modern Standby(ITL only)</p> |  <p>LPDDR4x RAM On board / Dual Channel</p> |  <p>Enlarge Battery 56Whr</p> |
|  <p>Сенсорный экран 13" (Optional on ITL only)</p> |  <p>Smart Power Button</p> |  <p>Dolby Vision</p> |

Поддержка VOLBY VISION

Больше оттенков цвета
+
Шире динамический
диапазон



ThinkBook 13s Gen2 внешний вид



ThinkBook 13s Gen2 – Значительно тоньше рамки

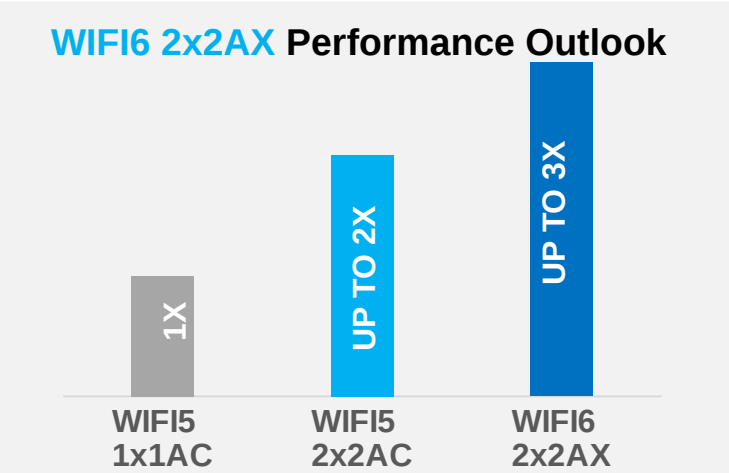
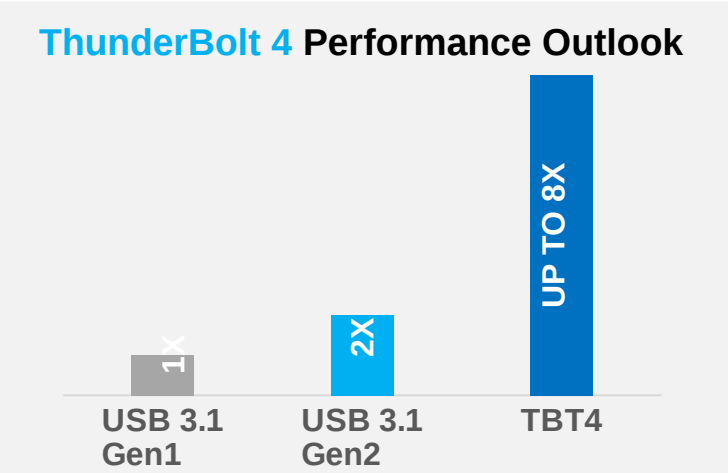
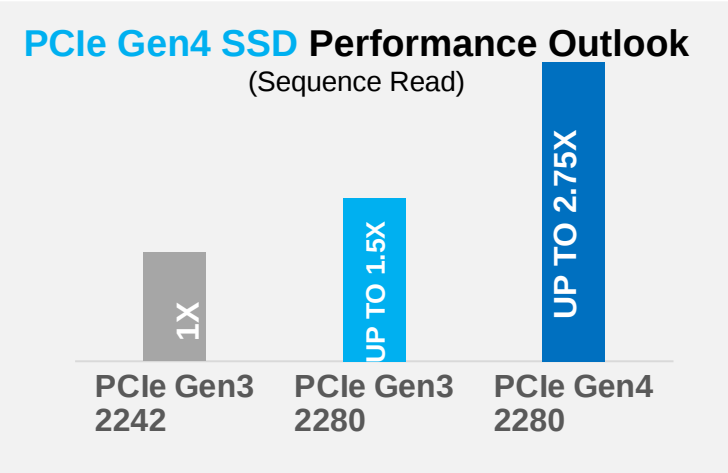


STB ratio: 78%
L/R bezel: 5.5mm
Top bezel: 10.9mm
Down bezel: 33mm
Y: 216mm
Z: 15.9mm
Weight: 1.32kg



STB ratio: 90%
L/R bezel: 4 mm
Top bezel: 6 mm
Down bezel: 8 mm
Y: 210 mm
Z: 14.9 mm
Weight: 1.26 kg

ThinkBook 13s Gen2 - быстрее



ThinkBook 13s сравнение с Gen 1



FHD 16:9
STB ratio: 78%
L/R bezel: 5.5mm
Top bezel: 10.9mm
Down bezel: 33mm
Y: 216mm
Z: 15.9mm
Weight: 1.32kg
DDR3 Single Channel
45Whr

WQXGA/WUXGA 19:10
STB ratio: **90%**
L/R bezel: **4 mm**
Top bezel: **6 mm**
Down bezel: **8 mm**
Y: **210 mm**
Z: **14.9 mm**
Weight: **1.26 kg**
LPDDR4X Dual Channel
56Whr
Touch Support
PCIe Gen4 SSD
ThunderBolt 4
Athena Qualified



ThinkBook 13s/14s Gen2 Intel ITL Key HW

| Specification | ThinkBook 13s-ITL | ThinkBook 14s-ITL |
|---------------------|--|---|
| Design | New SMB ID; ThinkBook S (Contrast A Cover) Mineral Grey / Wei6s Platinum Grey / ZY Black | |
| Material | Metal AL on A/C/D cover; Plastic B Cover with painting | |
| Dimensions | 299 x 210 x 14.9mm | 322 x 207 x 14.9mm |
| Weight | 1.26kg | 1.27 kg |
| Processor | ITL i5/i7 | |
| Memory | LPDDR4x Onboard; Dual Channel; 8/16GB; | |
| Storage | SSD Only; M.2 PCIE 4x4 & PCIE 3x4 256GB/512GB/1TB; | |
| GFX | UMA Only | |
| Panel | WQXGA IPS 2560*1600; 300nits; 100%; Low Power; (Touch Optional) WQXGA IPS 2560*1600; 300 nits; 100% sRGB WUXGA IPS 1920*1200; 300 nits; 100% sRGB STB > 90%; DOLBY VISION; | FHD IPS 1920*1080; 300nits; 100% sRGB STB > 90%; DOLBY VISION; |
| Keyboard | 13s Slim KBD(1mm Key travel); 14s KBD(1.3mm Key travel); Fn Lock LED; Backlit Keyboard | |
| Touch FPR | FPR on Power Button | |
| Webcam | HD Camera at top / Hidden Camera Shutter | |
| Speaker | 2 x 2 W; On D cover | |
| dTPM | Default dTPM | |
| Wireless | WIFI/BT, 2x2 AX | |
| Power Supply | Type-C adapter only; 65W / 65W 89CC Wall Mount adapter(2 Pin only) | |
| OS | Windows 10 (Windows 10 Pro / Windows 10 Home / G SKU / NO OS) | |
| I/O Ports | 1 x Thunderbolt 4 (USB3.2 Gen2 + PD + DP1.4); 2xUSB 3.2 Gen1 5Gbps (one is AOU); 1xHDMI2.0b, 1xCombo Mic/Audio | |



⇒ Thinkpad 2020

A vertical white line with a small white circle at the bottom end is positioned to the left of the text.

2020 ThinkPad – продуктовая линейка

X1

X1 Titanium

New Product

X1 Carbon

X1 Yoga

X1 Fold

New Product

T-Series & X-Series

T14s



X13



NEC

X13 Yoga

Chrome Yoga

New Product

T15 (P15s)

Variant

T15p (P15v)

Variant

New Product

T14 (P14s)



X12

NEC

New Product

L-Series

L15



Cleansheet

L14



Cleansheet

L13 / L13 Yoga

Cleansheet

E15



Cleansheet

E14



Cleansheet

15"

14"

13"

Lenovo

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MWS

P1 X1E

Cleansheet

P17

Cleansheet

P15

Cleansheet

P15v

Variant

P15s

Variant

P14s

Variant

EDU

14e

Cleansheet

TP 11e Yoga

Cleansheet

500e

300e

100e

10" Tablet

New Product

Verticals

L13 Gen 2 & L13 Yoga Gen 2

SS 23.10, EOW 8.09, vPro – 27.01 / 08.12



L13 Gen 2 | L13 Yoga Gen 2 | Универсальный ноутбук для бизнеса

- 11th Gen TGL **UP3** процессоры – up to i7 vPro Quad Core
- До **300 nit FHD WVA** экраны
- **Thunderbolt 4**
- **Faster DDR4 Memory; 3200MHz**
- **Intel Iris Xe – встроенная графика Tiger Lake**
- 1.38 kg (CS) 1.43 kg (YG)
- **HDMI 2.0**
- Док-станции: TBT, Mechanical, Type C or USB3



L13 Gen 2 | сравнение с Gen 1

Blue indicates the changes

| | L13 Gen 1 | L13 Gen 2 |
|---|--|--|
| Dimension (mm) | 311.5 x 219 x 17.6 | 311.5 x 219 x 17.6 |
| Sides / Top/ Bottom Bezel Size (mm) | 8.24 / 15.95 / 35.87 | 8.24 / 15.95 / 35.87 |
| Screen to Body Ratio | 78.9% | 78.9% |
| Weight (lbs/kg) | 3.06 lbs./1.38kg | 3.06 lbs./1.38kg |
| Color/Material | Black/ Silver A Cover: AI/ B Cover: PC/ABS C Cover: PC/ABS+GFRP frame D cover: GFRP | Black/ Silver A Cover: AI/ B Cover: PC/ABS C Cover: PC/ABS+GFRP frame D cover: GFRP |
| Screen Size & Resolutions & Color Gamut | 13.3" Narrow Bezel : HD(250nits), FHD IPS(250nits), FHD IPS Touch(300nits) | 13.3" Narrow Bezel : HD TN(250nits), FHD WVA (250nits), FHD WVA Touch(300nits) |
| CPU | CML: Cel./i3/i5/i7 i5/i7 vPro | TGL UP3: Cel./i3/i5/i7 i5/i7 vPro |
| Graphics | Intel Integrated Graphics | Up to Intel Iris Xe Graphics |
| Memory | DDR4 (2666MHz): Up to 16GB DDR4 (2666MHz) / 2 Soldered | DDR4 (3200MHz): Up to 16GB DDR4 (3200MHz) / 2 Soldered |
| Storage | Up to 1TB PCIe SSD, Intel SSD w/ Optane Memory | Up to 1TB PCIe SSD |
| Battery Size, Life, Rapid Charge | 46Whr / 14.1hrs MM14, Yes | 46Whr / XXXhrs MM18, Yes |
| Keyboard | Top load Non-backlight/ Backlight Keyboard | Top load Non-backlight/ Backlight Keyboard |
| Docking | Side Mechanical Dock, Type C, USB3.x | Side Mechanical Dock, Type C, USB3.x, Thunderbolt |
| Ports | 2 x USB 3.1, 2 x Type-C, Audio jack, microSD, 1xHDMI 1.4 | 2 x USB 3.1, 2 x USB-C (Thunderbolt4), Audio jack, microSD, 1xHDMI 2.0 |
| Video / Audio | HDMI, Type-C / Dolby Premium App | HDMI, Type-C, Thunderbolt / Dolby Premium App |
| Wireless Communication | WLAN 2x2 AC/ Wifi6 2x2 (AX) – vPro | WLAN 2x2 AC/ Wifi6 2x2 (AX) |
| Biometric / Security | Touch FPR (MOH), Think Shutter, dTPM 2.0, SCR, IR Camera, K-Lock | Touch FPR (MOC) , Think Shutter, dTPM 2.0, SCR, IR Camera, K-Lock |
| Additional Features | EPEAT Silver | Modern Standby, EPEAT Gold (Study) |

L13 Yoga Gen 2 | сравнение с Gen 1

Blue indicates the changes

| | L13 Yoga Gen 1 | L13 Yoga Gen 2 |
|---|--|--|
| Dimension (mm) | 311.5 x 219 x 17.6 | 311.5 x 219 x 17.6 |
| Sides / Top/ Bottom Bezel Size (mm) | 8.24 / 15.95 / 35.87 | 8.24 / 15.95 / 35.87 |
| Screen to Body Ratio | 78.9% | 78.9% |
| Weight (lbs/kg) | 3.17 lbs./1.43kg | 3.17 lbs./1.43kg |
| Color/Material | Black/ Silver A Cover: AI/ B Cover: PC/ABS C Cover: PC/ABS+GFRP frame D cover: GFRP | Black/ Silver A Cover: AI/ B Cover: PC/ABS C Cover: PC/ABS+GFRP frame D cover: GFRP |
| Screen Size & Resolutions & Color Gamut | 13.3" Narrow Bezel : FHD IPS Touch(300nits) | 13.3" Narrow Bezel : FHD WVA Touch(300nits) |
| CPU | CML: i3/i5/i7 i5/i7 vPro | TGL UP3: i3/i5/i7 i5/i7 vPro |
| Graphics | Intel Integrated Graphics | Up to Intel Iris Xe Graphics |
| Memory | DDR4 (2666MHz): Up to 16GB DDR4 (2666MHz) / 2 Soldered | DDR4 (3200MHz): Up to 16GB DDR4 (3200MHz) / 2 Soldered |
| Storage | Up to 1TB PCIe SSD, Intel SSD w/ Optane Memory | Up to 1TB PCIe SSD |
| Battery Size, Life, Rapid Charge | 46Whr / 14.1hrs MM14, Yes | 46Whr / 9hrs MM18, Yes |
| Keyboard | Top load Non-backlight/ Backlight Keyboard | Top load Non-backlight/ Backlight Keyboard |
| Docking | Side Mechanical Dock, Type C, USB3.x | Side Mechanical Dock, Type C, USB3.x, Thunderbolt |
| Ports | 2 x USB 3.1, 2 x USB, Audio jack, microSD, 1xHDMI 1.4 | 2 x USB 3.1, 2 x USB-C (Thunderbolt4), Audio jack, microSD, 1xHDMI 2.0 |
| Video / Audio | HDMI, USB-C / Dolby Premium App | HDMI, USB-C, Thunderbolt / Dolby Premium App |
| Wireless Communication | WLAN 2x2 AC/ Wifi6 2x2 (AX) – vPro | WLAN 2x2 AC/ Wifi6 2x2 (AX) |
| Biometric / Security | Touch FPR (MOH), Think Shutter, dTPM 2.0, SCR, IR Camera, K-Lock | Touch FPR (MOC) , Think Shutter, dTPM 2.0, SCR, IR Camera, K-Lock |
| Additional Features | EPEAT Silver, Integrated Pen | Modern Standby, EPEAT Gold (Study) , Integrated Pen |

ThinkPad T15p – Производительный ноутбук



Компоненты

- Intel CML H i5/i7 (up to 8C-SBO)
- NVIDIA Geforce 1050
- до 64GB of RAM
- До 2x1TB накопитель

Эргономика

- 4K экран
- Премиум звучание
- 4G LTE CAT 9
- WiFi 6 AX
- Excellent battery life

Legendary Reliability & Security

- Mil-Spec Tested Tough
- Broad array of technologies for best in class security
- MoC FPR
- ThinkShield



NEW “ULTRA PERFORMANCE” MODE

A new mode for power users that require peak performance potential.

Ultra Performance Mode is a new power setting that allows the system to reach “redline” maximum performance. Airflow and thermal saturation are maximized to hit peak performance numbers.

Benchmark improvements over Performance Mode

“Cool & Quiet” Mode is disabled. No “Laptop Mode” trigger*.

Windows and Linux supported. Enablement via Power Slider in Windows and via hot-key in Linux.

Available on P15, P17, P1 Gen 3, and P15v/T15p.

*Cool & Quiet Mode disablement available in Performance and Ultra Performance Modes.



+ Competitive Overview T15p

| | T15p | Dell Latitude 5511 |
|--------------------------|---|--|
| Dimension | 366.5 x 250 x 22.7mm (thinnest 21.17 Thickest 24.2) | 359.1mm x 236.25mm x 22.48(front)/24.92(rear)mm |
| Weight | 4.57lbs/2.07kg | 4.16 lbs / 1.89 kg |
| Screen Size & Resolution | AG: 15": FHD IPS (300nit), FHD LCLW IPS Touch (300nit) UHD IPS 4K (600nit) | 15.6": HD TN (220nit), FHD IPS (220/300nit), FHD IPS Touch (220nit) |
| CPU | CML (H): i5, i5vPro, i7, i7vPro, up to 8C (SBO) | CML (H): i5, i5vPro, i7vPro, up to 6C |
| Graphics | intel UHD 630 Nvidia Geforce 1050 3GB GDDR5 (768 CUDA core, 96bit, 84 GBps) | intel UHD 630 Nvidia Geforce MX250 2GB GDDR5 (384 CUDA core, 64bit, 48 GBps) |
| Memory | 2x 2933MHz DIMM: DDR4 8GB, 16GB, 32GB, 64GB | Up to 64GB DDR4 (2933MHz) non-ECC Dual DIMM |
| Storage | Up to 2x1TB PCIe SSD | Up to 1x 1TB HDD & 1x 1TB PCIe (limitation to class 35) |
| Camera | HD + opt. IR w/ ThinkShutter | HD or FHD & opt. IR camera |
| Battery (Size / Life) | 68Whr / Up to 11hr | 51Whr/68Whr/97Whr (Express Charge) |
| Rapid / Fast Charge | Yes (w/ 135W AC within 60 mins at S3/S4/S5) | Yes (Express Charge) |
| Keyboard | Standard and Backlit KBD (optional) w/ white LEDs with NumPad (Top Load) | DuBacklit, Multi-Touch Touchpad w/ NumPad |
| Pen | N/A | N/A |
| Docking | WS TBT3 Mainstream USB-C/Enhanced USB-C/USB3.0 (no full charging) | Cable |
| Ethernet | RJ-45 | RJ-45 |
| I/O Ports | 2x USB-A 3.2 Gen 1 (1 always-on), 1x TBT3, 1x HDMI2.0, SCR (opt), SD UHS-II, Audio Jack | 3x USB 3.2 Gen 1 (1 always-on), 1x TBT3, 1x HDMI2.0, SCR (opt), SD UHS-II, Audio Jack, |
| Video Ports | HDMI 2.0, TBT3 | HDMI 2.0, TBT3 |
| Wireless Communication | WLAN AX201, LTE WWAN CAT9 | WLAN AX201, LTE WWAN 7360 (CAT9) |
| Biometric / Security | Touch FPR, IR Cam, SCR, ThinkShutter, dTPM 2.0 | Touch FPR, SCR, IR Camera, dTPM 2.0 |

Безопасность работы с данными

| | P1 Gen 3 | P17 Gen 1 | P15 Gen 1 | T15p/P15v Gen 1 | P15s Gen 1 | P14s Gen 1 |
|---------------------------|----------|-----------|-----------|-----------------|------------|------------|
| ThinkPad PrivacyGuard | | | | | | |
| ThinkPad PrivacyAlert | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| ThinkShutter | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| IR Camera | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Finger Print Reader (MoC) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Finger Print Reader (MoH) | | | | | | |
| dTPM 2.0 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| fTPM (PRC only) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Smart Card Reader | | ✓ | ✓ | ✓ | ✓ | ✓ |
| NFC | | | | | ✓ | ✓ |
| FIPS 201 FPR | | | | | | |
| RFID w/NFC | | | | | | |

+ Порт-репликатор

SS: 6 ноября

MSRP:\$99.99(ТВС)



Особенности

- VESA DP 1.4 ,HDMI2.0 Experience – 4K на одном мониторе
- 1* USB-C с поддержкой питания
- 2*USB-3.1 Gen2 ,
- Эргономичный дизайн кабеля, компактные размеры
- SD и micro SD ридеры

ThinkPad X1 Fold

Первый в мире гибкий ноутбук

В продаже с
декабря 2020

Lenovo

Мощность ноутбука:
полноценный процессор Intel Core i 11 поколения
8GB LPDDR4
до 1TB PCIe SSD

Инфракрасная камера – авторизация по лицу

Принципиально новый дизайн петель - надежность

2 x USB-C Gen 1 порта

10.8 мм толщина
&
Вес меньше 1 кг

13.3" 300 NIT гибкий OLED экран – 95% цветовой охват, разрешение 2K (2048*1536)

До 10 часов от батареи
50 Вт/ч

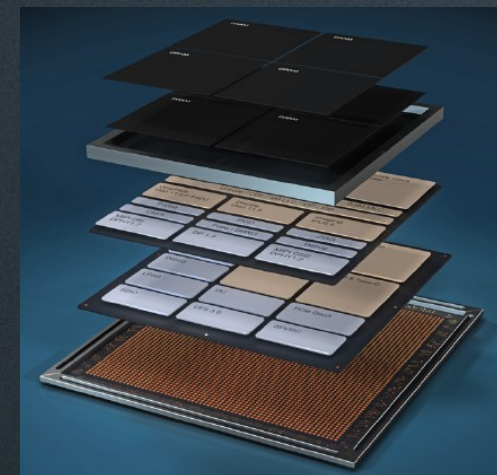
Корпус из магниевого сплава и натуральной кожи

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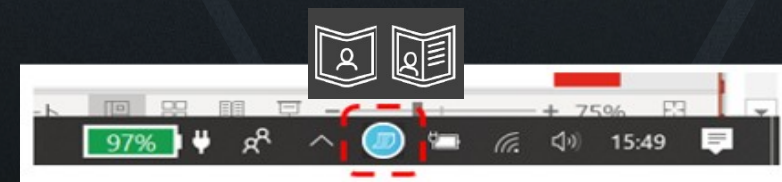
ThinkPad X1 Fold

Первый в мире гибкий ноутбук

<https://www.lenovo.com/ru/ru/thinkpad-x1-fold>



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thanks.

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