Lenovo

Lenovo ThinkPad T480 Intel® Core™ i5 i5-8350U Laptop 35,6 cm (14") Full HD 8 GB DDR4-SDRAM 256 GB SSD Wi-Fi 5 (802.11ac) Windows 10 Pro Black

Brand : Lenovo   **Product family:** ThinkPad   **Product code:** 20L5004LUS

Product name : ThinkPad T480

Intel Core i5-8350U (4C, 1.7 / 3.6GHz, 6MB), 8GBx1, 256GB SSD M.2 PCIe NVMe Opal2, 35.56 cm (14") FHD (1920x1080) IPS, Integrated Intel UHD Graphics 620, Intel 8265 ac, 2x2 + BT4.1, Fibocom L850-GL, Windows 10 Pro 64

Lenovo ThinkPad T480. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-8350U, Processor frequency: 1,7 GHz. Display diagonal: 35,6 cm (14"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 8 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 256 GB, Storage media: SSD. Mobile network generation: 4G. Operating system installed: Windows 10 Pro. Product colour: Black

Design

Product type *	Laptop
Product colour *	Black
Form factor *	Clamshell
Housing material	FRP (Fiber Reinforced Plastic), Magnesium
Market positioning	Business

Display

Display diagonal *	35,6 cm (14")
Display resolution *	1920 x 1080 pixels
Touchscreen *	✗
HD type	Full HD
Panel type	IPS
LED backlight	✔
Native aspect ratio	16:9
Display surface	Matt
Display brightness	250 cd/m²

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i5
Processor generation	8th gen Intel® Core™ i5
Processor model *	i5-8350U
Processor cores	4
Processor threads	8
Processor boost frequency	3,6 GHz
Processor frequency *	1,7 GHz
System bus rate	4 GT/s
Processor cache	6 MB
Processor cache type	Smart Cache
Processor socket	BGA 1356
Processor lithography	14 nm
Processor operating modes	64-bit
Processor codename	Kaby Lake R
Bus type	OPI
Stepping	Y0
Thermal Design Power (TDP)	15 W

Ports & interfaces

HDMI ports quantity *	1
HDMI version	1.4b
Headphone outputs	1
Microphone in	✗
Combo headphone/mic port	✔
USB Sleep-and-Charge	✔
USB Sleep-and-Charge ports	1

Performance

Motherboard chipset	Intel SoC

Keyboard

Pointing device	ThinkPad UltraNav
Numeric keypad *	✗
Keyboard backlit	✔
Spill-resistant keyboard	✔
Windows keys	✔

Software

Operating system architecture	64-bit
Operating system installed *	Windows 10 Pro

Processor special features

Intel® My WiFi Technology (Intel® MWT)	✔
Intel® Smart Response Technology	✔
Intel® Identity Protection Technology (Intel® IPT)	✔
Intel® Hyper Threading Technology (Intel® HT Technology)	✔
Intel® Turbo Boost Technology	2.0
Enhanced Intel SpeedStep Technology	✔
Intel® Clear Video HD Technology (Intel® CVT HD)	✔
Intel Clear Video Technology	✔
Intel® InTru™ 3D Technology	✔
Intel® Quick Sync Video Technology	✔

Processor

Configurable TDP-up frequency	1,9 GHz
Configurable TDP-up	25 W
Configurable TDP-down	10 W
Configurable TDP-down frequency	0,8 GHz
Tjunction	100 °C
Maximum number of PCI Express lanes	12
PCI Express slots version	3.0
PCI Express configurations	1x2+2x1, 1x4, 2x2, 4x1
ECC supported by processor	✘

Memory

Internal memory *	8 GB
Internal memory type	DDR4-SDRAM
Memory clock speed	2400 MHz
Memory form factor	SO-DIMM
Memory layout (slots x size)	1 x 8 GB
Memory slots	2x SO-DIMM
Maximum internal memory *	32 GB

Storage

Total storage capacity *	256 GB
Storage media *	SSD
Number of SSDs installed	1
SSD capacity	256 GB
SSD interface	M.2
Optical drive type *	✘
Card reader integrated	✔
Compatible memory cards	MMC, SD, SDHC, SDXC

Graphics

On-board graphics card *	✔
On-board graphics card family	Intel® UHD Graphics
On-board graphics card model *	Intel® UHD Graphics 620
On-board graphics card base frequency	300 MHz
On-board graphics card dynamic frequency (max)	1100 MHz
Maximum on-board graphics card memory	32 GB
On-board graphics card DirectX version	12.0
On-board graphics card OpenGL version	4.4
On-board graphics card ID	0x5917

Audio

Audio chip	Realtek ALC3287
Audio system	Dolby Audio Premium
Number of built-in speakers	2
Speaker power	2 W
Built-in microphone	✔

Camera

Front camera	✔
Front camera resolution	1280 x 720 pixels
Front camera signal format	720p
Front camera HD type	HD

Network

Mobile network generation	4G
Wi-Fi	✔
Top Wi-Fi standard *	Wi-Fi 5 (802.11ac)

Processor special features

Intel Flex Memory Access	✔
Intel® AES New Instructions (Intel® AES-NI)	✔
Intel Trusted Execution Technology	✔
Intel Enhanced Halt State	✔
Intel VT-x with Extended Page Tables (EPT)	✔
Intel® Secure Key	✔
Intel TSX-NI	✔
Intel Stable Image Platform Program (SIPP)	✔
Intel® OS Guard	✔
Intel Software Guard Extensions (Intel SGX)	✔
Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✔
Intel 64	✔
Execute Disable Bit	✔
Idle States	✔
Thermal Monitoring Technologies	✔
Processor package size	42 x 24 mm
Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Processor code	SR3L9
CPU configuration (max)	1
Embedded options available	✘
Intel Virtualization Technology for Directed I/O (VT-d)	✔
Intel Identity Protection Technology version	1,00
Intel Smart Response Technology version	1,00
Intel Stable Image Platform Program (SIPP) version	1,00
Intel Secure Key Technology version	1,00
Intel TSX-NI version	1,00
Intel Virtualization Technology (VT-x)	✔
Processor ARK ID	124969
Conflict-Free processor	✔

Battery

Battery technology	Lithium-Ion (Li-Ion)

Power

AC adapter power	65 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V

Security

Fingerprint reader	✔
Trusted Platform Module (TPM)	✔
Password protection	✔
Password protection type	HDD, Power on, Supervisor

Certificates

Compliance certificates	RoHS

Sustainability

Sustainability certificates	EPEAT Gold, ENERGY STAR

Weight & dimensions

Width	336,6 mm
Depth	232,5 mm

Network

Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac)
Mobile network connection *	✔
Ethernet LAN	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
Bluetooth	✔
Bluetooth version	4.1

Ports & interfaces

USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Ethernet LAN (RJ-45) ports	1

Weight & dimensions

Height	19,9 mm
Weight *	1,63 kg

Packaging content

AC adapter included *	✔
Manual	✔
Power cord included	✔

Other features

Maximum internal memory (64-bit)	32 GB

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